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ORDERING INFORMATION

To assist us in delivering the exact product you want, please order by the seven digit part number or panel model number. If you require special features, such as additional cable length or special packaging, please call your customer service representative at 1-888-342-5753.

SJE Rhombus® also manufactures Engineered Custom control panels. Please email quote requests to panelquote@sjeinc.com. For additional information on our Blanket Agreement Program, Freight Paid Program, Return Policy or Payment Terms, please refer to the back side of your multiplier sheet, contact your factory representative or contact SJE Rhombus customer service at 1-888-342-5753.

ORDERING PANELS

Our Build-A-Panel™ control panels utilize a user-friendly worksheet on the back of each panel catalog page to assist in building your panel model. Simply select the appropriate feature and fill in the corresponding box at the top of the page. The total of these selections will result in your panel model. See example:

EXAMPLE

<table>
<thead>
<tr>
<th>IFS CONTROL PANEL</th>
<th>1 MODEL TYPE</th>
<th>1 ALARM PACKAGE</th>
<th>8 ENCLOSURE RATING</th>
<th>9 STARTING DEVICE</th>
<th>1 PUMP FULL LOAD AMPS</th>
<th>4 PUMP DISCONNECTS</th>
<th>X FLOAT SWITCH APPLICATION</th>
<th>8AC10E OPTIONS (LISTED BELOW)</th>
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<td>E EZconnex® Float Switch System</td>
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<td>C C-Level™ Sensor</td>
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</tbody>
</table>

SHIPPING YOUR ORDER

Standard catalog items, depending on volume and options, are shipped within four (4) business days from receipt of order. SJE Rhombus Build-A-Panel™ control panels ordered with multiple options and orders exceeding $10,000 may require up to ten (10) business days to ship. Large stocking panel orders or custom panel orders may require additional lead time of more than ten (10) business days.

Next Day Air, Second Day Air and Three Day UPS Ground services are available. To receive these services you must place your order before 1:00 p.m. Central Time. SJE Rhombus reserves the right to increase prices if transportation rates increase.

SJE Rhombus offers a Panel Express Program for expedited delivery on most control panels found in this catalog. Contact Customer Service for more information.

QUICK SHIP PROGRAM*

Quick Ship products are denoted with an asterisk after the part number, i.e. 1030771*. Orders for products in the Quick Ship Program must be received by 11:00 AM Central Time to ship within one business day. Limited quantities available. Orders will be fulfilled on first come, first served basis. Standard lead times may apply to orders combining Quick Ship Program products and catalog products not offered through the Quick Ship Program.

PRODUCT RETURN

Returned Materials Authorization (RMA) numbers must be assigned to products being returned for warranty claim. Control panel models IFS7, IFS8, SGS, 113, 123, 114, 124, 314, and 324; panels including option “10A”; panels including any "non-catalog" options; Build-A-Panel™ PLUS control panels; obsolete panels; and products more than one year from the date of manufacture cannot be returned to SJE Rhombus for restocking credit. Contact your customer service representative for instructions on returning a product for warranty.

PRICING SUBJECT TO CHANGE WITHOUT NOTICE.

WARRANTY

SJE Rhombus offers an industry-leading five-year limited warranty on most standard products available in our catalog. For complete terms and conditions, please visit www.sjerhombus.com.

PROP 65

For all products in this book:

California Prop 65 requires the following: ☢️ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov
This program is designed to benefit customers who require additional options beyond what the standard control panel line offers, but do not require a custom engineered solution.

The Build-A-Panel™ Plus program utilizes inventoried components for:

- 24 hour response to quotes
- Faster build-to-ship times
- More affordable solutions
- And much more!

**OPTIONS**

- Larger enclosure sizes up to 30 x 24 x 12 inches, including fiberglass, Type 304 and 316 stainless steel, and Type 4 painted steel
- Inner dead front doors, including clear polycarbonate, aluminum, and white powder coated steel
- IEC starters (up to 65 amps per pump)
- 22mm switches and lights
- SJE dedicated pump controllers
- Smart relay/PLC with programs (limited I/O, 12 in and 8 out, discrete only); timed or demand dose programming; pump and alarm data logging upon request
- Landline auto dialers
- Battery backup circuits
- 12 VDC and 24 VDC circuits
- GFI receptacle with circuit breaker (single phase or 230V 4-wire service only)
- Surge protection
- Generator receptacles up to 100 amps
- UL/cUL Listed (508A or 698A)
- Two-year limited warranty

**ADDITIONAL OPTIONS**

Don't see the option you need listed? Let us know!

We may be able to offer it through this program or we can design a custom engineered solution for you!

Email quote requests to: panelquote@sjeinc.com
The EZ Series® simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The EZ Series® simplex control panel features a backlit LCD display on the inside of the front cover for programming and system monitoring, including: float status, elapsed time pump run, cycle counter, alarm counts (high water/power fail), float error count, auxiliary alarm counter, timer override count (TD only).

The panel configuration can be easily converted in the field to either a timed dose or demand dose.

Optional mounting post has removable access door for easy wiring. The post can be mounted in the ground directly, over a 4x4, or conduit. This panel is available with optional duo alarm for local code compliance; and optional EZconnex® float connection system.

**COMPONENTS**

1. Enclosure base measures 10 x 8 x 6 inches (25.4 x 20.32 x 15.24 cm); NEMA 4X enclosure (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) includes locking latch as standard
2. Red alarm beacon provides visual check of alarm condition
3. Exterior Alarm Test/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Two circuit breakers: one for pump power; another for control and alarm power
5. Power relay controls pump by switching electrical lines
6. Float connection terminal block with auxiliary alarm contact
7. Incoming control/alarm power & pump power terminal block
8. Control Power indicator light
9. Alarm Power indicator light
10. Pump Run indicator light
11. Simplex controller (touch safe housing) for pump control:
   a. Backlit LCD display shows system information including: pump elapsed time (hh:mm), pump events (cycles), and alarm condition (counts)
   b. Menu/Enter button used for viewing panel settings
   c. Set/Change button used for programming panel settings
   d. Pump Push To Run momentary switch - pump activates when pressed
   e. Control and Alarm Power - shorted condition indicators
12. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating - located inside panel on cover, not shown)

Note: Options, voltage, and amp range selected may change enclosure size and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
EZ Series® - Single phase, simplex demand dose or timed dose float controlled system for pump control and system monitoring.

### EZS Specifications
- **Part #**
- **List Price**
  - EZS21W114X3A6A8AC10E15A $819.00
  - EZS11W114H3A6A8AC10E15A17G $875.00

### Pricing Worksheet
- **Options (Listed Below)**
- **Base Price**
  - EZS Simplex Base Price $799.00
  - EZS Demand Base Price $827.00

### EZconnex® Float Switches
- Mechanically-activated, narrow angle float switches with quick release connections

### Float Switch Application
- **H** Floats - Pump Down (select Option 17 below)
- **E** EZconnex® Float Switch System (select Option 33, 35 or 36 below)
- **X** No Floats

### Options
- **1J** Duo Alarm Inputs $22.00
- **3A** Alarm Flasher (Included as standard) $0.00
- **4A** Redundant Off (Timed Dose Float Panel Only) (must also select Option 4D if floats are required) $0.00
- **4D** Redundant Off Float (must also select Option 4A and Option 17) $28.00
- **6A** Auxiliary Alarm Contact, Form A (Included as standard) $0.00
- **8AC** Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter (Included as standard) $0.00
- **10E** Lockable Latch - NEMA 4X (Included as standard) $0.00
- **10P** Mounting Post (Factory installed with 2.5" cord seal) $155.00
- **15A** Control/Alarm Circuit Breaker (Included as standard) $0.00
- **16A** 10' Cord in Lieu of 20' Cord (per Float) - $3.00
- **16B** 15' Cord in Lieu of 20' Cord (per Float) - $2.00
- **16C** 30' Cord in Lieu of 20' Cord (per Float) - $5.00
- **16D** 40' Cord in Lieu of 20' Cord (per Float) - $15.00
- **17C** Sensor Float® / Internally Weighted (per Float) - Mercury $9.00
- **17D** Sensor Float® / Externally Weighted (per Float) - Mercury $11.00
- **17G** SJE MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical $0.00
- **17H** SJE MilliAmpMaster™ / Externally Weighted (per Float) - Mechanical $7.00
- **17J** Sensor Float® / Pipe Clamp (per Float) - Mercury $4.00

### California Prop 65
- WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

### Easy Ordering
- **Part #**
  - 1030771* EZS21W114X3A6A8AC10E15A $819.00
  - 1052607* EZS11W114H3A6A8AC10E15A17G $875.00

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

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*Base Price:
- **Simplex Timed Dose** - $799.00
- **Simplex Demand Dose** - $827.00

**Options:**
- Alarm Package
- Enclosure Rating
- Starting Device
- Pump Full Load Amps
- Pump Disconnects
- Float Switch Application
- Total Options

**Total List Price:**

---

**SJE Rhombus**
www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
The EZ Series® duplex control panel is designed to control two (alternating) 120, 208, 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

The EZ Series® duplex control panel features a backlit LCD display on the inside of the front cover for programming and system monitoring, including: float status, elapsed time pump run, cycle counter, alarm counts (high water/power fail), float error count, auxiliary alarm counter, timer override count (TD only).

Optional mounting post has removable access door for easy wiring. The post can be mounted in the ground directly, over a 4x4, or conduit. This panel is available with optional duo alarm for local code compliance; and optional EZconnex® float connection system.

**COMPONENTS**

1. Enclosure base measures 10 x 8 x 6 inches (25.4 x 20.32 x 15.24 cm); NEMA 4X enclosure (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) includes locking latch as standard
2. Red alarm beacon provides visual check of alarm condition
3. Exterior Alarm Test/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Two sets of circuit breakers: one for each pump power circuit; another for control and alarm power
5. Power relays control pumps by switching electrical lines
6. Float connection terminal block with auxiliary alarm contact
7. Incoming control/alarm power & pump power terminal block
8. Control Power indicator light
9. Alarm Power indicator light
10. Pump Run indicator lights
11. Duplex controller (touch safe housing) for pump control:
   a. Backlit LCD display shows system information including: pump elapsed time (hh:mm), pump events (cycles), and alarm condition (counts)
   b. Menu/Enter button used for viewing panel settings
   c. Set/Change button used for programming panel settings
   d. Pump 1 and Pump 2 Push To Run momentary switches - pump activates when pressed
   e. Control and Alarm Power - shorted condition indicators
12. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating - located inside panel on cover, not shown)

**Note:** Options, voltage, and amp range selected may change enclosure size and component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
EZ Series® - Single phase, duplex demand dose float controlled system for pump control and system monitoring.

- **EZS**
- **Model Type**: Single Phase Duplex (includes Options 3A6A8AC10E15A as standard)
- **Alarm Package**: (includes test/silence switch, fuse, red light, & horn)
- **Enclosure Rating**: Weatherproof, NEMA 4X (engineered thermoplastic)
- **Starting Device**: 120V/208/240V
- **Pump Full Load Amps**: 0-7 FLA, 7-15 FLA, 15-20 FLA
- **Pump Disconnects**: 120V (select STARTING DEVICE Option 9 above), 120/208/240V (select STARTING DEVICE Option 1 above)
- **Float Switch Application**: EZconnex® Float Switch System (select Option 34 or 35 below)

### OPTIONS DESCRIPTION LIST PRICE

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<tr>
<th>Options</th>
<th>Description</th>
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<td>Duo Alarm Inputs</td>
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<tr>
<td>✓ 3A</td>
<td>Alarm Flasher (Included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>✓ 6A</td>
<td>Auxiliary Alarm Contact, Form A (Included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>✓ 8AC</td>
<td>Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter (Included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>✓ 10E</td>
<td>Lockable Latch - NEMA 4X (Included as standard)</td>
<td>$0.00</td>
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<tr>
<td>10P</td>
<td>Mounting Post (Factory installed with 2.5” cord seal)</td>
<td>$155.00</td>
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<tr>
<td>✓ 15A</td>
<td>Control/Alarm Circuit Breaker (Included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>16A</td>
<td>10’ Cord in Lieu of 20’ Cord (per Float)</td>
<td>$3.00</td>
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<tr>
<td>16B</td>
<td>15’ Cord in Lieu of 20’ Cord (per Float)</td>
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<td>30’ Cord in Lieu of 20’ Cord (per Float)</td>
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- **EZconnex®** mechanically-activated, narrow angle float switches with quick release connections

---

**SEE PRICE BOOK FOR PRICING.**
**Compoenents**

1. Enclosure base measures 10 x 8 x 4 inches (25.4 x 20.32 x 10.16 cm); NEMA 4X enclosure (ultraviolet stabilized thermoplastic with integral mounting tabs for outdoor or indoor use) includes integral locking latch as standard.
2. Red LED beacon provides visual check of alarm condition.
3. Circuit breaker provides pump power disconnect and branch circuit protection.
4. Safety cover with touch safe design.
5. C-Level™ Sensor/float connection terminal block.
6. Incoming control/alarm power & pump power terminal block.
8. Float Status indicator lights.
11. Tank level indicator.
13. Ground lug(s).

**NOT SHOWN:** Exterior Alarm Test/Silence Switch allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.

Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating).

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.

Panel layout may vary with options.
Reg. Cdn Pat. & TM Off
C-Level™ Sensor US Patent No. 8,336,385; 8,567,242; 8,650,949.

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## EZ SERIES® IN-SITE® CL Bluetooth® Single Phase Simplex

Demand or timed dose, C-Level™ sensor controlled system for pump control and system monitoring with Bluetooth® wireless module.

### PRICING WORKSHEET

<table>
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<th>Options</th>
<th>Description</th>
<th>List Price</th>
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<td>3A</td>
<td>Alarm Flasher (Included as standard)</td>
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</tr>
<tr>
<td>4D</td>
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<tr>
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<td>Auxiliary Alarm Contact, Form A (Included as standard)</td>
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<tr>
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<td>29B</td>
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<tr>
<td>29X</td>
<td>No C-Level™ CL100 Sensor</td>
<td>$307.00</td>
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</table>

### OPTIONS (LISTED BELOW)

- **EZI Simplex Base Price**: $1,486.00
- Alarm Package
- Enclosure Rating
- Starting Device
- Pump Full Load Amps
- Pump Disconnects
- Float Switch Application
- Total Options
- **TOTAL LIST PRICE**

### NOTES:

- Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

---

**California Prop 65 requires the following:** ![](warning-icon) WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**B.6**

[www.sjerhombus.com](http://www.sjerhombus.com) • email: [customer.service@sjeinc.com](mailto:customer.service@sjeinc.com)

SEE PRICE BOOK FOR PRICING.
In-Site to On-site Just Got Easier!

The EZ Series® In-Site® CL duplex control panel is designed to control two 120, 208, 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition, this system provides override control should either pump fail. This innovative data logging control panel features a wireless Bluetooth® connection for your smart device, allowing safe and secure access in all weather conditions. Now there is no need to open the panel for configuration, viewing status or downloading data using the EZ InSite® Connect App.

The EZ InSite® Connect App allows you to view real time data from your smart device including pump run times, cycle counts, alarm conditions, HOA settings, power outages, tank levels, service calls and more! All system data (up to 4000 system events) can be downloaded and analyzed using our exclusive Insite Reporting software. This software formulates system data for you, creating reports quickly and easily so system conditions can be identified and corrected.

The panel utilizes the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm); C-Level™ CL100 sensor operating range is 3-99.5 inches (7.6-252.7 cm).

The compact redesign (10” x 8” x 4”) of this panel is ideal for residential applications. The innovative internal design of components and integral mounting tabs make installation quick and simple. Includes integral padlockable latch for added safety. The panel can be converted to demand or timed dose in the field.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by SJE Rhombus® is under license. Other trademarks and trade names are those of their respective owners. Apple and the Apple Logo are registered trademarks of Apple Inc. Google Play and the Google Play logo are trademarks of Google LLC.

NOT SHOWN: Exterior Alarm Test/Silence Switch allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared. Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating).

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
EZ SERIES® IN-SITE® CL Bluetooth® Single Phase Duplex - Demand or timed dose, C-Level™ sensor controlled system for pump control and system monitoring with Bluetooth® wireless module.

### PRICING WORKSHEET

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<th>DESCRIPTION</th>
<th>LIST PRICE</th>
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<td>Alarm Flasher (Included as standard)</td>
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<tr>
<td>4A</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 17)</td>
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<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form A (Included as standard)</td>
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<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X (Included as standard)</td>
<td>$0.00</td>
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<tr>
<td>17G</td>
<td>SJE MilliAmpMaster® / Pipe Clamp (per Float) - Mechanical</td>
<td>$0.00</td>
</tr>
<tr>
<td>17H</td>
<td>SJE MilliAmpMaster® / Externally Weighted (per Float) - Mechanical</td>
<td>$7.00</td>
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<tr>
<td>24E</td>
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<td>24F</td>
<td>C-Level™ CL40 Sensor with 4’ Vent Tube and 40’ Cord</td>
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<tr>
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<tr>
<td>30A</td>
<td>Bluetooth® Wireless Module (Included as standard)</td>
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### NOTE: Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

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**EZI Control Panel**

- Ezi

**Model Type**

- D Duplex (includes Options 3A4A6A10E30A as standard) $1,599.00

**Alarm Package**

- 1 Alarm Package (includes test/silence switch, red light, & horn) Base

**Enclosure Rating**

- W Weatherproof, NEMA 4X (engineered thermoplastic) Base

**Starting Device**

- 1 120/208/240V Base

**Pump Full Load Amps**

- 0 0 - 7 FLA Base
- 1 7 - 15 FLA Base
- 2 15 - 20 FLA Base

**Pump Disconnects**

- 4 Circuit Breaker Base

**Float Switch Application**

- C C-Level™ Sensor (select Option 24 or 29 below) Base

---

**Options**

- **Alarm Package**
- **Enclosure Rating**
- **Starting Device**
- **Pump Full Load Amps**
- **Pump Disconnects**
- **Float Switch Application**

**Total Options**

**Total List Price** $1,599.00

---

California Prop 65 requires the following: **WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov**
Easy to install control panel provides convenient wiring connection for use with one single phase pump in effluent and sewage installations.

The EZ Series® Plugger control panels feature a sleek easy to install panel and optional mounting post. The panel includes a built-in high water alarm with test/normal/silence switch and incorporates a receptacle to accept 120 VAC or 240 VAC pump and piggy-back pump switch.

Models with the optional post include a removable access door and cord seal which allow piggy-back and pump plugs to be easily routed and sealed into the panel. The post can be mounted in the ground directly, over a 4X4, or over conduit. The panel is also available with optional duo alarm and auxiliary contacts to meet the needs of various applications.

**OPTIONAL FEATURES**

- 34” mounting post with cord seal
- Duo Alarm
- Elapsed Time Meter (See Accessories catalog page for information.)
- Various cord lengths available
- Pump circuit breaker
- Auxiliary contacts

**COMPONENTS**

1. Enclosure measures 10 x 8 x 6 inch (25.40 x 20.30 x 15.2 cm) with removable mounting feet, NEMA 4X rated, ultraviolet stabilized thermoplastic for indoor and outdoor use; includes locking latch as standard
2. Red LED beacon provides 360° visual check of alarm condition
3. Receptacle for use with piggy-back pump switch
4. Alarm fuse (mounted on circuit board)
5. Horn silence relay (mounted on circuit board)
6. Pump circuit terminal block
7. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
8. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
9. Alarm Power indicator (mounted on circuit board)
10. Alarm circuit terminal block (mounted on circuit board)
11. Ground lug
12. Custom engineered liquid tight 2” cord seal
13. Incoming pump power 3/4” hub

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
EZ SERIES® PLUGGER - Provides convenient wiring connection for use with one single phase 120V or 230V pump in effluent and sewage installations.

<table>
<thead>
<tr>
<th>MODEL TYPE</th>
<th>ALARM PACKAGE</th>
<th>ENCLOSURE RATING</th>
<th>STARTING DEVICE</th>
<th>PUMP FULL LOAD AMPS</th>
<th>PUMP DISCONNECTS</th>
<th>FLOAT SWITCH APPLICATION</th>
<th>LIST PRICE</th>
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<tr>
<td>CONTROL PANEL</td>
<td>120V (includes Option 10E as standard)</td>
<td>$415.00</td>
<td>120V Double Float® Master Pump Switch (0-15 FLA)</td>
<td>$98.00</td>
<td>Circuit Breaker</td>
<td>Base</td>
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<td>240V (includes Option 10E as standard)</td>
<td>$516.00</td>
<td>Base</td>
<td>$49.00</td>
<td>Base</td>
<td>$28.00</td>
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<td>0</td>
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<td>1</td>
<td>Alarm Package (includes test/normal/silence switch, red light, &amp; horn)</td>
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<td>ENCLOSURE RATING</td>
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<td>Weatherproof, NEMA 4X (engineered thermoplastic)</td>
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<td>120V Double Float® Master Pump Switch (0-15 FLA)</td>
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<td>240V Double Float® Master Pump Switch (0-15 FLA)</td>
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<td>SJE MicroMaster® Plus WS Pump Switch (0-13 FLA)</td>
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<td>OPTIONS DESCRIPTION LIST PRICE</td>
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<td>1J</td>
<td>Duo Alarm Inputs</td>
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<td>10' Cord in Lieu of 20' Cord (per Float)</td>
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<td>6A</td>
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<td>16C</td>
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<td>8G</td>
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<td>Lockable Latch - NEMA 4X (included as standard)</td>
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<td>17A</td>
<td>SJE SignalMaster® / Pipe Clamp (Alarm Float Only) - Mechanical</td>
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<td>10P</td>
<td>Mounting Post (Factory installed, includes Cord Seal)</td>
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<td>2&quot; Hub Installed with Cord Seal</td>
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<td>22F</td>
<td>Riser Mounting Kit</td>
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Base Price:
- EZ Plugger 120V - $415.00
- EZ Plugger 240V - $516.00
The IFS simplex control panel utilizes an innovative circuit board design to control one 120/208/240V single phase pump in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

**COMPONENTS**

1. Enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use)

2. Red LED beacon provides 360° visual check of alarm condition

3. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)

4. Circuit breaker (optional) provides pump disconnect and branch circuit protection

5. Power relay controls pump by switching electrical lines; definite purpose contactor used when pump full load amps are above 15

6. Float connection terminal block

7. Incoming control/alarm power & pump terminal block

8. Control Power Indicator/Fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown

9. Alarm Power Indicator/Fuse indicator light illuminates if alarm power is present in panel

10. Ground lug

11. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (not shown)

**Note:** Added options, voltage, and amp range selected may change enclosure size and enclosure features, and component layout.

**TOUCH PAD FEATURES**

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence

B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; hand mode defaults to Automatic when stop level or redundant off level is reached

C. Pump Run indicator illuminates when pump is called to run

D. LED Display for system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)

E. NEXT push button toggles display

F. UP and SET Push Buttons set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only)
INSTALLER FRIENDLY SERIES® SINGLE PHASE SIMPLEX - Demand or timed dose float controlled system for pump control and system monitoring.

### INSTALLER FRIENDLY SERIES® SINGLE PHASE SIMPLEX

#### 8AC10E

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<th>OPTIONS (LISTED BELOW)</th>
<th>DESCRIPTION</th>
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<td>IFS Simplex Base Price</td>
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<td>Alarm Package</td>
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<td>Float Switch Application</td>
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#### OPTIONS DESCRIPTION LIST PRICE

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<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
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<tr>
<td>1J</td>
<td>Duo Alarm Inputs</td>
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<tr>
<td>3A</td>
<td>Manual Alarm Reset</td>
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<td>3E</td>
<td>High Water Alarm Float</td>
<td>$28.00</td>
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<td>4A</td>
<td>Redundant Off Float (must also select Option 4D if floats are required)</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
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<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
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<td>8AC</td>
<td>Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter, and Override Counter (Timed Dose Only) (included as standard)</td>
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<td>Lockable Latch - NEMA 4X (included as standard)</td>
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<td>10F</td>
<td>Lighting Arrester (select pump circuit breaker, control and alarm power combined)</td>
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<td>10K</td>
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<td>Control/Alarm Circuit Breaker</td>
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<td>30' Cord in Lieu of 20' Cord (per Float)</td>
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<td>36D</td>
<td>EZconnex® 3-Port, 25', with 10' Floats (2)</td>
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<td>36E</td>
<td>EZconnex® 3-Port, 25', with 20' Floats (2)</td>
<td>$326.00</td>
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**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

<table>
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<tr>
<th>OPTIONS</th>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**EZconnex®** mechanically-activated, narrow angle float switches with quick release connections.
The IFS duplex control panel utilizes an innovative circuit board design to control two alternating 120/208/240V single phase pumps in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The alternating action equalizes pump wear. In addition, this system provides override control should either pump fail. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

**TOUCH PAD FEATURES**

A. Level Status Indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicators will illuminate when pumps are called to run
D. Lead/Lag selector toggles pump operation (alternate 1-2 and 2-1)
E. LED Display for system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
F. NEXT push button toggles display
G. UP and SET push buttons set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only)

**COMPONENTS**

1. Enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
4. Circuit breakers (optional) provides pump disconnect and branch circuit protection
5. Power relays control pump by switching electrical lines; definite purpose contactor used when pump full load amps are above 15
6. Float connection terminal block
7. Incoming control/alarm power & pump terminal block
8. Control Power Indicator/Fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
9. Alarm Power Indicator/Fuse indicator light illuminates if alarm power is present in panel
10. Ground lug
11. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (not shown)

Note: Added options, voltage, and amp range selected may change enclosure size and enclosure features, and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
## INSTALLER FRIENDLY SERIES® SINGLE PHASE DUPLEX - Demand or timed dose float controlled system for pump control and system monitoring.

### PRICING WORKSHEET

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Duo Alarm Inputs</td>
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</tr>
<tr>
<td>3A</td>
<td>Manual Alarm Reset</td>
<td>$55.00</td>
</tr>
<tr>
<td>3B</td>
<td>High Water Alarm Float (must also select Option 17)</td>
<td>$98.00</td>
</tr>
<tr>
<td>3E</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$0.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
</tr>
<tr>
<td>✓ 8AC</td>
<td>Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter, Override Counter (Timed Dose Only), and Lead/ Lag Selector (Demand Dose Only) (included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>✓ 10E</td>
<td>Lockable Latch - NEMA 4X (included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lightning Arrestor (select pump circuit breakers, control and alarm power combined)</td>
<td>$251.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
</tr>
<tr>
<td>15A</td>
<td>Control/Alarm Circuit Breaker</td>
<td>$93.00</td>
</tr>
<tr>
<td>16A</td>
<td>10’ Cord in Line of 20’ Cord (per Float)</td>
<td>- $3.00</td>
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<tr>
<td>16B</td>
<td>15’ Cord in Line of 20’ Cord (per Float)</td>
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<td>16C</td>
<td>30’ Cord in Line of 20’ Cord (per Float)</td>
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<tr>
<td>16D</td>
<td>40’ Cord in Line of 20’ Cord (per Float)</td>
<td>$15.00</td>
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### FLOAT SWITCH APPLICATION

- **E** EZconnex® Float Switch System (select Option 34 or 35 below)
  - Timed Dose - $56.00
  - Demand Dose - $84.00
- **C** C-Level™ Sensor (select Option 24 or 29)
  - Timed Dose - $56.00
  - Demand Dose - $84.00

### OPTIONS (LISTED BELOW)

- **1J** Duo Alarm Inputs
- **3A** Manual Alarm Reset
- **3B** High Water Alarm Float (must also select Option 17)
- **4A** Redundant Off (must also select Option 4D if floats are required)
- **4D** Redundant Off (must also select Option 4A and Option 17)
- **6A** Auxiliary Alarm Contact, Form C
- **8AC** Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter, Override Counter (Timed Dose Only), and Lead/Lag Selector (Demand Dose Only) (included as standard)
- **10E** Lockable Latch - NEMA 4X (included as standard)
- **10F** Lightning Arrestor (select pump circuit breakers, control and alarm power combined)
- **10K** Anti-condensation Heater
- **11C** Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)
- **11D** Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)
- **15A** Control/Alarm Circuit Breaker
- **16A** 10’ Cord in Line of 20’ Cord (per Float)
- **16B** 15’ Cord in Line of 20’ Cord (per Float)
- **16C** 30’ Cord in Line of 20’ Cord (per Float)
- **16D** 40’ Cord in Line of 20’ Cord (per Float)

### NOTATIONS

- **EZconnex®** mechanically-activated, narrow angle float switches with quick release connections

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**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.
The IFS simplex control panel utilizes an innovative circuit board design to control one 208/240/480 VAC three phase pump in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

### TOUCH PAD FEATURES

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicator will illuminate when pumps are called to run
D. LED Display for system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
E. NEXT push button toggles display
F. UP and SET push buttons set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only)

### COMPONENTS

1. Enclosure base measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect
5. IEC motor contactor controls pump by switching electrical lines
6. Multi-tap transformer (208/240/480 VAC primary) provides 120 VAC control alarm voltage or 600 VAC primary transformer
7. Float connection terminal block
8. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
9. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel
10. Large incoming power connection terminal block
11. Terminal block float wiring label
12. Ground lugs
13. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)

**Note:** Options, voltage, and amp range selected may change enclosure size and component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
### IFS Three Phase Simplex - Demand or timed dose float controlled system for pump control and system monitoring.

#### Options (Listed Below)

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>17C</td>
<td>Sensor Float® / Internally Weighted (per Float) - Mercury</td>
<td>$9.00</td>
</tr>
<tr>
<td>17D</td>
<td>Sensor Float® / Externally Weighted (per Float) - Mercury</td>
<td>$11.00</td>
</tr>
<tr>
<td>17G</td>
<td>SJE MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical</td>
<td>$0.00</td>
</tr>
<tr>
<td>17H</td>
<td>SJE MilliAmpMaster™ / Externally Weighted (per Float) - Mechanical</td>
<td>$7.00</td>
</tr>
<tr>
<td>17J</td>
<td>Sensor Float® / Pipe Clamp (per Float) - Mercury</td>
<td>$4.00</td>
</tr>
<tr>
<td>24E</td>
<td>C-Level™ CL40 Sensor with 4' Vent Tube and 20' Cord</td>
<td>$307.00</td>
</tr>
<tr>
<td>24F</td>
<td>C-Level™ CL40 Sensor with 4' Vent Tube and 40' Cord</td>
<td>$339.00</td>
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<tr>
<td>24G</td>
<td>C-Level™ CL40 Sensor with 8' Vent Tube and 20' Cord</td>
<td>$312.00</td>
</tr>
<tr>
<td>24H</td>
<td>C-Level™ CL40 Sensor with 8' Vent Tube and 40' Cord</td>
<td>$344.00</td>
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<tr>
<td>24X</td>
<td>No C-Level™ CL40 Sensor</td>
<td>$0.00</td>
</tr>
<tr>
<td>29A</td>
<td>C-Level™ CL100 Sensor with 10' Vent Tube and 20' Cord</td>
<td>$317.00</td>
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<td>29B</td>
<td>C-Level™ CL100 Sensor with 10' Vent Tube and 40' Cord</td>
<td>$349.00</td>
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<td>29X</td>
<td>No C-Level™ CL100 Sensor</td>
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<tr>
<td>33D</td>
<td>EZconnex® 3-Port, 25', with 10' Floats (3) / Pipe Clamp</td>
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<td>33E</td>
<td>EZconnex® 3-Port, 50', with 10' Floats (3) / Pipe Clamp</td>
<td>$313.00</td>
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<tr>
<td>33G</td>
<td>EZconnex® 3-Port, 25', with 20' Floats (3) / Pipe Clamp</td>
<td>$297.00</td>
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<tr>
<td>33H</td>
<td>EZconnex® 3-Port, 50', with 20' Floats (3) / Pipe Clamp</td>
<td>$334.00</td>
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<tr>
<td>34D</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
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<tr>
<td>34E</td>
<td>EZconnex® 4-Port, 50', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$399.00</td>
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<tr>
<td>34G</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$373.00</td>
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<tr>
<td>34H</td>
<td>EZconnex® 4-Port, 50', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$419.00</td>
</tr>
</tbody>
</table>

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**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.
The IFS duplex control panel utilizes an innovative circuit board design to control two alternating 208/240/480 VAC single phase pumps in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The alternating action equalizes pump wear. In addition, this system provides override control should either pump fail. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

**COMPONENTS**

1. Enclosure base measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Motor protective switches provide adjustable overload, branch circuit protection and pump disconnect
5. IEC motor contactors control pumps by switching electrical lines
6. Multi-tap transformer (208/240/480 VAC primary) provides 120 VAC control alarm voltage or 600 VAC primary transformer
7. Float connection terminal block
8. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
9. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel
10. Large incoming power connection terminal block
11. Terminal block float wiring label
12. Ground lugs
13. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)

**TOUCH PAD FEATURES**

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicators will illuminate when pumps are called to run
D. Lead/Lag selector toggles pump operation (alternate 1-2 and 2-1)
E. LED display shows system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
F. NEXT push button toggles display
G. UP and SET push buttons set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only)

**SJE RHOMBUS.**
**EZconnex®** mechanically-activated, narrow angle float switches with quick release connections

<table>
<thead>
<tr>
<th>OPTIONS DESCRIPTION</th>
<th>LIST PRICE</th>
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</thead>
<tbody>
<tr>
<td>17C Sensor Float® / Internally Weighted (per Float) - Mercury</td>
<td>$9.00</td>
</tr>
<tr>
<td>17D Sensor Float® / Externally Weighted (per Float) - Mercury</td>
<td>$11.00</td>
</tr>
<tr>
<td>17G SJE MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical</td>
<td>$0.00</td>
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<tr>
<td>17H SJE MilliAmpMaster™ / Externally Weighted (per Float) - Mechanical</td>
<td>$7.00</td>
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<td>17J Sensor Float® / Pipe Clamp (per Float) - Mercury</td>
<td>$4.00</td>
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<tr>
<td>19F Fourth Float to Separate Alarm Function from Lag</td>
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<tr>
<td>24E C-Level™ CL40 Sensor with 4' Vent Tube and 20' Cord</td>
<td>$307.00</td>
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<tr>
<td>24F C-Level™ CL40 Sensor with 4' Vent Tube and 40' Cord</td>
<td>$339.00</td>
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<tr>
<td>24G C-Level™ CL40 Sensor with 8' Vent Tube and 20' Cord</td>
<td>$312.00</td>
</tr>
<tr>
<td>24H C-Level™ CL40 Sensor with 8' Vent Tube and 40' Cord</td>
<td>$344.00</td>
</tr>
<tr>
<td>29A C-Level™ CL100 Sensor with 10' Vent Tube and 20' Cord</td>
<td>$317.00</td>
</tr>
<tr>
<td>29B C-Level™ CL100 Sensor with 10' Vent Tube and 40' Cord</td>
<td>$349.00</td>
</tr>
<tr>
<td>34D EZconnex® 4-Port, 25', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
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<tr>
<td>34E EZconnex® 4-Port, 50', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
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<td>34H EZconnex® 4-Port, 25', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
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</tr>
<tr>
<td>35G EZconnex® 4-Port, 50', with 20' Floats (4) / Pipe Clamp</td>
<td>$417.00</td>
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<tr>
<td>35H EZconnex® 4-Port, 50', with 20' Floats (4) / Pipe Clamp</td>
<td>$454.00</td>
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</table>
The IFS simplex capacitor (start/run) control panel utilizes an innovative circuit board design to control one 120/208/240V single phase pump in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

NOTE:
SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranty of any type with respect to motor start kits supplied by the customer.

TOUCH PAD FEATURES

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicator will illuminate when pumps are called to run
D. LED Display for system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
E. NEXT push button toggles display
F. UP and SET push buttons set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only)

COMPONENTS

1. Enclosure base measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
5. Overload relay (optional) provides pump overload protection (Not shown)
6. IEC motor contactor controls pump by switching electrical lines
7. Circuit breaker (optional) provides pump disconnect and branch circuit protection
8. Float and control/alarm incoming terminal block
9. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
10. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel
11. Large pump connection power terminal block
12. Terminal block float and control/alarm incoming power wiring label
13. Ground lugs

Note: Options, voltage, and amp range selected may change enclosure size and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
**Installers FriendlY Series® Single Phase Simplex Capacitor (Start/Run)**

- **Model**: Single Phase Simplex Capacitor (includes Option 8AC as standard)  
  - Base Price: $1,574.00

**Enclosure Rating**
- **Base**: Weatherproof, NEMA 4X (engineered thermoplastic)  
  - Base Price: $1,574.00

**Starting Device**
- **Base**: 120/208/240V IEC Motor Contactor  
  - Base Price: $1,574.00

**Pump Full Load Amps**
- **Base**: 0 - 7 FLA  
  - Base Price: $1,574.00

**Pump Disconnects**
- **Base**: No Pump Disconnect  
  - Base Price: $1,574.00

**Float Switch Application**
- **Base**: EZconnex® 4-Port, 50', with 20' Floats (3) / Pipe Clamp, Sealing Plug  
  - Base Price: $1,574.00

**Alarm Package**
- **Base**: ETM Counter, Events (Cycles) Counter, Alarm Counter (included as standard)  
  - Base Price: $1,574.00

**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, should be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

### Start/run capacitor kits must be ordered separately (see Option 12 below or call factory).

#### Options

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$55.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
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<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset</td>
<td>$43.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit and Red Indicator (2 Wire)</td>
<td>$175.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
</tr>
<tr>
<td>8AC</td>
<td>Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter (included as standard)</td>
<td>$0.00</td>
</tr>
</tbody>
</table>
| 9.A     | Pump Overload - Specify Ampacger after Number 9 Followed by Letter "A"  
  Example: 92A = 12 amp pump | $66.00     |
| 10E     | Lockable Latch - NEMA 4X | $43.00     |
| 10F     | Lightning Arrester (must select pump circuit breakers, control and alarm power combined) | $251.00    |
| 10K     | Anti-condensation Heater | $109.00    |
| 11C     | Additional NEMA 1 Remote Alarm Panel (must also select Option 6A) | $101.00    |
| 11D     | Additional NEMA 4X Remote Alarm Panel (must also select Option 6A) | $324.00    |
| 12B     | Customer Supplied Motor Start Components, Mounted in Enclosure by SJE Rhombus | $121.00    |
| 12C     | Motor Start Components Mounted and Supplied by SJE Rhombus | $121.00    |
| 13F     | Lightning Arrester (must select pump circuit breakers, control and alarm power combined) | $251.00    |
| 16A     | 10' Cord in Lieu of 20' Cord (per Float) | $3.00      |
| 16B     | 15' Cord in Lieu of 20' Cord (per Float) | $2.00      |
| 16C     | 30' Cord in Lieu of 20' Cord (per Float) | $5.00      |
| 16D     | 40' Cord in Lieu of 20' Cord (per Float) | $15.00     |
| 17A     | Sensor Float® / Internally Weighted (per Float) - Mercury | $9.00      |
| 17B     | Sensor Float® / Internally Weighted (per Float) - Mercury | $11.00     |
| 17D     | Sensor Float® / Internally Weighted (per Float) - Mercury | $11.00     |
| 17J     | Sensor Float® / Internally Weighted (per Float) - Mercury | $4.00      |
| 17K     | Sensor Float® / Internally Weighted (per Float) - Mercury | $4.00      |
| 17L     | Sensor Float® / Internally Weighted (per Float) - Mercury | $4.00      |
| 24E     | C-Level™ CL40 Sensor with 4' Vent Tube and 20' Cord | $307.00    |
| 24F     | C-Level™ CL40 Sensor with 4' Vent Tube and 40' Cord | $339.00    |
| 24G     | C-Level™ CL40 Sensor with 8' Vent Tube and 20' Cord | $312.00    |
| 24H     | C-Level™ CL40 Sensor with 8' Vent Tube and 40' Cord | $344.00    |
| 24X     | No C-Level™ CL40 Sensor | $0.00      |
| 29A     | C-Level™ CL100 Sensor with 10' Vent Tube and 20' Cord | $317.00    |
| 29B     | C-Level™ CL100 Sensor with 10' Vent Tube and 40' Cord | $349.00    |
| 29X     | No C-Level™ CL100 Sensor | $0.00      |

### Pricing Worksheet

- **OPTIONS**
  - 3A Alarm Flasher
  - 3B Manual Alarm Reset
  - 4A Redundant Off
  - 4D Redundant Off Float
  - 5A Thermal Cutout/Heat Sensor Auto Reset
  - 5E Seal Failure Circuit and Red Indicator
  - 6A Auxiliary Alarm Contact, Form C
  - 8AC Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter (included as standard)
  - 10E Lockable Latch - NEMA 4X
  - 10F Lightning Arrester (must select pump circuit breakers, control and alarm power combined)
  - 10K Anti-condensation Heater
  - 11C Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)
  - 11D Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)
  - 12B Customer Supplied Motor Start Components, Mounted in Enclosure by SJE Rhombus
  - 12C Motor Start Components Mounted and Supplied by SJE Rhombus

### List Price

- **PRICING WORKSHEET**
  - **ICS Single Phase Simplex Capacitor Base Price**: $1,574.00
  - **Alarm Package**
  - **Enclosure Rating**
  - **Starting Device**
  - **Pump Full Load Amps**
  - **Pump Disconnects**
  - **Float Switch Application**
  - **Total Options**
  - **TOTAL LIST PRICE**

---

**NOTE:** EZconnex® mechanically-activated, narrow angle float switches with quick release connections.
The IFS duplex capacitor (start/run) control panel utilizes an innovative circuit board design to control two alternating 120/208/240V single phase pumps in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The alternating action equalizes pump wear. In addition, this system provides override control should either pump fail. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

NOTE: SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranty of any type with respect to motor start kits supplied by the customer.

**TOUCH PAD FEATURES**

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons control pump mode with indication; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicators will illuminate when pumps are called to run
D. Lead/Lag selector toggles pump operation (alternate 1-2 and 2-1)
E. LED display for system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
F. NEXT push button toggles display
G. UP and SET push buttons set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only)

**COMPONENTS**

1. Enclosure base measures 18 x 16 x 8 inches (45.72 x 40.64 x 20.32 cm); NEMA 4X fiberglass for outdoor or indoor use
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)
4. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)
5. Overload relays (optional) provide pumps overload protection (Not shown)
6. IEC motor contactors control pumps by switching electrical lines
7. Circuit breakers (optional) provide pump disconnect and branch circuit protection
8. Float and control/alarm incoming power terminal block
9. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
10. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel
11. Large pump/incoming power terminal block
12. Terminal block float and control/alarm incoming power wiring label
13. Cap kits
14. Ground lugs

Note: Options, voltage, and amp range selected may change enclosure size and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
INSTALLER FRIENDLY SERIES® SINGLE PHASE DUPLEX CAPACITOR (START/RUN) - Demand dose float controlled system for pump control and system monitoring.

**PRICING WORKSHEET**

**OPTIONS (LISTED BELOW)**

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$55.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
</tr>
<tr>
<td>3E</td>
<td>High Water Alarm Float (must also select Option 17) Only Available with Float Switch Application = C</td>
<td>$28.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit and Red Indicator (2 Wire)</td>
<td>$34.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
</tr>
<tr>
<td>8AC</td>
<td>Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Contact and Lead/Lag Selector (included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>9A</td>
<td>Pump Overload - Specify Ampereage after Number 9 Followed by Letter &quot;A&quot; Example: 912A = 12 amp pump</td>
<td>$132.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lighting Arrestor (must select pump circuit breakers, control and alarm power combined)</td>
<td>$251.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
</tr>
<tr>
<td>12B</td>
<td>Custom Supplier Motor Start Components, Mounted in Enclosure by SJE Rhombus</td>
<td>$121.00</td>
</tr>
<tr>
<td>12C</td>
<td>Motor Start Components, Mounted and Supplied by SJE Rhombus Call Factory</td>
<td></td>
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</table>

**TOTAL LIST PRICE**

$2,154.00

**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

**ENVELOPE UPSIZE:**

If you selected one or more of the ◆ options, add a one-time $142.00 charge for enclosure upsize.

**OPTIONS (LISTED BELOW)**

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per Float)</td>
<td>$3.00</td>
</tr>
<tr>
<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per Float)</td>
<td>$2.00</td>
</tr>
<tr>
<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per Float)</td>
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</tr>
<tr>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per Float)</td>
<td>$15.00</td>
</tr>
<tr>
<td>16H</td>
<td>SEJ MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical</td>
<td>$0.00</td>
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<tr>
<td>16J</td>
<td>SEJ MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical</td>
<td>$7.00</td>
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<tr>
<td>16K</td>
<td>Fourth Float to Separate Alarm Function from Lag</td>
<td>$28.00</td>
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<tr>
<td>24A</td>
<td>C-Level™ CL40 Sensor with 4' Vent Tube and 20' Cord</td>
<td>$307.00</td>
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<tr>
<td>24B</td>
<td>C-Level™ CL40 Sensor with 4' Vent Tube and 40' Cord</td>
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<tr>
<td>24C</td>
<td>C-Level™ CL40 Sensor with 8' Vent Tube and 20' Cord</td>
<td>$312.00</td>
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<tr>
<td>24D</td>
<td>C-Level™ CL40 Sensor with 8' Vent Tube and 40' Cord</td>
<td>$344.00</td>
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<tr>
<td>24X</td>
<td>No C-Level™ CL40 Sensor</td>
<td>$0.00</td>
</tr>
<tr>
<td>29A</td>
<td>C-Level™ CL100 Sensor with 10' Vent Tube and 20' Cord</td>
<td>$317.00</td>
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<tr>
<td>29B</td>
<td>C-Level™ CL100 Sensor with 10' Vent Tube and 40' Cord</td>
<td>$349.00</td>
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<tr>
<td>29K</td>
<td>No C-Level™ CL100 Sensor</td>
<td>$0.00</td>
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<tr>
<td>34A</td>
<td>EZconnex® 4-Port, 50', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
</tr>
<tr>
<td>34B</td>
<td>EZconnex® 4-Port, 50', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$373.00</td>
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<tr>
<td>34C</td>
<td>EZconnex® 4-Port, 50', with 20' Floats (4) / Pipe Clamp</td>
<td>$419.00</td>
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<tr>
<td>35D</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp</td>
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<td>35E</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp</td>
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<td>35F</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp</td>
<td>$417.00</td>
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<tr>
<td>35G</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp</td>
<td>$464.00</td>
</tr>
</tbody>
</table>

◆ EZconnex® mechanically-activated, narrow angle float switches with quick release connections
Get In-Site® to your On-Site™ Systems!

The IFS In-Site® simplex control panel utilizes an innovative circuit board design to control one 120/208/240V single phase pump in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. Quick retrieval of all system events can be done by downloading panel information onto a USB flash drive. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

Monitor system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more! Quick, convenient reports make diagnosing system conditions easy! Plug the flash drive into the USB port located on the inner door of the IFS In-Site® panel to download system events which occurred. No computer is needed at the site! Use the flash drive (included with panel) with any computer to download system information and reports. The pre-loaded software on the flash drive formulates system data for you, creating reports quickly in an easy-to-read format so system conditions can be easily identified and corrected. In addition to monitoring system events, the IFS In-Site® panel logs any service calls and changes made to system settings, which helps protect service providers.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

**TOUCH PAD FEATURES**

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons with indication control pump mode; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicator illuminates when pump is called to run
D. LED display for system information including: level in inches or centimeters (C-Level™ sensor only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), pump ON/OFF times (timed dose only), and sequence ON/OFF times (timed dose only)
E. NEXT push button toggles display
F. UP and SET push buttons used to set pump ON/OFF times (timed dose only), date and hour, activation levels (C-Level™ only)

**COMPONENTS**

1. Enclosure base measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm), NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)
5. Circuit breaker (optional) provides pump disconnect and branch circuit protection
6. Power relay controls pump by switching electrical lines; definite purpose contactor used when pump full load amps are above 15
7. Float connection terminal block
8. Incoming control/alarm terminal block
9. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
10. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel
11. Ground lug
12. Incoming pump power connections
13. RF filter
14. Power supply
15. Control fuse
16. Alarm fuse
17. USB port for flash drive to download time-stamped system events
18. Manual report switch date and time stamps service calls

Note: Options, voltage, and amp range selected may change enclosure size and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
INSTALLER FRIENDLY SERIES® IN-SITE® SINGLE PHASE SIMPLEX - Demand or timed dose float controlled system for pump control, system monitoring, event logging and reporting.

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>MODEL TYPE</th>
<th>1 ALARM PACKAGE</th>
<th>W ENCLOSURE RATING</th>
<th>STARTING DEVICE</th>
<th>PUMP FULL LOAD AMPS</th>
<th>PUMP DISCONNECTS</th>
<th>FLOAT SWITCH APPLICATION</th>
<th>OPTIONS (LISTED BELOW)</th>
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<tbody>
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<td></td>
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<td></td>
<td></td>
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<td>BASE PRICE</td>
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<td>Simplex Timed Dose - $2,282.00</td>
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<td>Simplex Demand Dose - $2,310.00</td>
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**PRICING WORKSHEET**  
**OPTIONS (LISTED BELOW)**

- **Base Price**
  - IFI Simplex Base Price
  - Alarm Package
  - Enclosure Rating
  - Starting Device
  - Pump Full Load Amps
  - Pump Disconnects
  - Float Switch Application
  - Total Options
  - TOTAL LIST PRICE

**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

### OPTIONS

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1J</td>
<td>Duo Alarm Inputs</td>
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</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$55.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
</tr>
<tr>
<td>3E</td>
<td>High Water Alarm Float (must also select Option 17) Only Available with Float Switch Application C</td>
<td>$28.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$0.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
</tr>
<tr>
<td>8AC</td>
<td>Display Board - Includes: EMT Counter, Events (Cycles) Counter, Alarm Counter, and Override Counter (Timed Dose Only)</td>
<td>$0.00</td>
</tr>
<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X</td>
<td>$43.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lightning Arrestor (select pump circuit breaker, control and alarm power combined)</td>
<td>$251.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater (must select if operating temperature is colder than 0 degrees F or -18 degrees C)</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
</tr>
<tr>
<td>15A</td>
<td>Control/Alarm Circuit Breaker</td>
<td>$93.00</td>
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<tr>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per Float)</td>
<td>$3.00</td>
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<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per Float)</td>
<td>$2.00</td>
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<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per Float)</td>
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<tr>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per Float)</td>
<td>$15.00</td>
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<tr>
<td>16E</td>
<td>IFI Enclosure Rating</td>
<td>Base</td>
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<td>16F</td>
<td>EZconnex® 3-Port, 25', with 20' Floats (3) / Pipe Clamp</td>
<td>$297.00</td>
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<tr>
<td>16G</td>
<td>EZconnex® 3-Port, 25', with 10' Floats (3) / Pipe Clamp</td>
<td>$313.00</td>
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<tr>
<td>16H</td>
<td>EZconnex® 3-Port, 25', with 10' Floats (2) / Pipe Clamp</td>
<td>$276.00</td>
</tr>
</tbody>
</table>

**Options:**
- **EZconnex®** mechanically-activated, narrow angle float switches with quick release connections

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California Prop 65 requires the following: **WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

B.24  
www.sjerhombus.com • email: customer.service@sjeinc.com  
SEE PRICE BOOK FOR PRICING.
The IFS In-Site® duplex control panel utilizes an innovative circuit board design to control two alternating 120/208/240V single phase pumps in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The alternating action equalizes pump wear. In addition, this system provides override control should either pump fail. Quick retrieval of all system events can be done by downloading panel information onto a USB flash drive. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® USB flash drive. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® USB flash drive.

Monitor system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more! Quick, convenient reports make diagnosing system conditions easy! Plug the flash drive into the USB port located on the inner door of the IFS In-Site® panel to download system events which occurred. No computer is needed at the site! Use the flash drive (included with panel) with any computer to download system information and reports. The pre-loaded software on the flash drive formulates system data for you, creating reports quickly in an easy-to-read format so system conditions can be easily identified and corrected. In addition to monitoring system events, the IFS In-Site® panel logs any service calls and changes made to system settings, which helps protect service providers.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 18-39.9 inches (45.7-101.3 cm). C-Level™ CL100 operating range is 18-99.5 inches (45.7-252.7 cm). The C-Level™ Sensor features a one-year limited warranty.

**TOUCH PAD FEATURES**

A. Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
B. HOA (Hand-Off-Automatic) buttons with indication control pump mode; Hand mode defaults to Automatic when stop level or redundant off level is reached
C. Pump Run indicators will illuminate when pumps are called to run
D. LED display for system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), pump ON/OFF times (timed dose only), and sequence ON/OFF times (timed dose only)
E. NEXT push button toggles display
F. UP and SET Push Buttons used to set pump ON/OFF times (timed dose only), pump operation (alternate 1-2 and 2-1), date and hour, activation levels (C-Level™ only)

**COMPONENTS**

1. Enclosure base measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
4. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
5. Circuit breakers (optional) provide pump disconnect and branch circuit protection
6. Power relays control pump by switching electrical lines; definite purpose contactors used when pump full load amps are above 15
7. Float connection terminal block
8. Incoming Control/Alarm Terminal Block
9. Control Power indicator/fuse indicator light illuminates if control power is present in panel; alarm activates if control fuse is blown
10. Alarm Power indicator/fuse indicator light illuminates if alarm power is present in panel (Not shown)
11. Ground lugs
12. Incoming pump power connections
13. RF filter
14. Power supply
15. Control fuse
16. Alarm fuse
17. USB port for flash drive to download time-stamped system events
18. Manual report switch date and time stamps service calls

**Note:** Options, voltage, and amp range selected may change enclosure size and component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
### INSTALLER FRIENDLY SERIES® IN-SITE® SINGLE PHASE DUPLEX - Demand or timed dose float controlled system for pump control, system monitoring, event logging and reporting.

<table>
<thead>
<tr>
<th>IFI</th>
<th>MODEL TYPE</th>
<th>ALARM PACKAGE</th>
<th>ENCLOSURE RATING</th>
<th>STARTING DEVICE</th>
<th>PUMP FULL LOAD AMPS</th>
<th>PUMP DISCONNECTS</th>
<th>FLOAT SWITCH APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>Duplex Timed Dose (includes Option 8AC as standard)</td>
<td>120/208/240V</td>
<td>Base</td>
<td>0 - 7 FLA</td>
<td>4</td>
<td>Base</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>Duplex Demand Dose (includes Option 8AC as standard)</td>
<td>120V only</td>
<td>Base</td>
<td>7 - 15 FLA</td>
<td>2</td>
<td>$114.00</td>
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<tr>
<td>5</td>
<td>W</td>
<td>Weatherproof, NEMA 4X (engineered thermoplastic)</td>
<td>Base</td>
<td>Base</td>
<td>15 - 20 FLA</td>
<td>0</td>
<td>Base</td>
</tr>
</tbody>
</table>

**NOTE:** Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

### OPTIONS (LISTED BELOW)

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1J</td>
<td>Duo Alarm Inputs</td>
<td>$28.00</td>
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<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$55.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$96.00</td>
</tr>
<tr>
<td>3E</td>
<td>High Water Alarm Float (must also select Option 17) Only Available with Float Switch Application = C</td>
<td>$28.00</td>
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<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>Demand Dose $60.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$43.00</td>
</tr>
<tr>
<td>8AC</td>
<td>Lockable Latch - NEMA 4X</td>
<td>$43.00</td>
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<tr>
<td>10F</td>
<td>Lightning Arrester (select pump circuit breakers, control and alarm power combined)</td>
<td>$251.00</td>
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<tr>
<td>10K</td>
<td>Anti-condensation Heater (must select if operating temperature is colder than 0 degrees F - 18 degrees C)</td>
<td>$109.00</td>
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<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
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<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
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<tr>
<td>15A</td>
<td>Control/Alarm Breaker</td>
<td>$93.00</td>
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<tr>
<td>16A</td>
<td>10’ Cord in lieu of 20’ Cord (per Float)</td>
<td>- $3.00</td>
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<tr>
<td>16B</td>
<td>15’ Cord in lieu of 20’ Cord (per Float)</td>
<td>- $2.00</td>
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<tr>
<td>16C</td>
<td>30’ Cord in lieu of 20’ Cord (per Float)</td>
<td>$5.00</td>
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<tr>
<td>16D</td>
<td>40’ Cord in lieu of 20’ Cord (per Float)</td>
<td>$15.00</td>
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</table>

### TOTAL LIST PRICE

- **IFI Duplex Base Price**
  - Duplex Timed Dose - $2,375.00
  - Duplex Demand Dose - $2,403.00

- **Options**
  - Alarm Package
  - Enclosure Rating
  - Starting Device
  - Pump Full Load Amps
  - Pump Disconnects
  - Float Switch Application

- **Total Options**

- **TOTAL LIST PRICE**

**Note:** Ezconnex® mechanically-activated, narrow angle float switches with quick release connections.

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California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

@SJE

www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
The Installer Friendly Series® Drip irrigation control panel is designed to control one 120V or 230V single phase pump for subsurface irrigation systems. The IFS Drip panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring system operation: rest for standard time, rest for peak enable time, spin filter flush time, dose time, field flush time, field drain time, and low alarm activation.

**TOUCH PAD FEATURES**

A. Alarm Power indicator/fuse; LED indicator light illuminates if alarm power is present in panel
B. Alarm Power replace indicator illuminates if alarm fuse is blown
C. Control Power indicator/fuse; LED indicator light illuminates if control power is present in panel

**NOTE:** If control power is not present panel will go into alarm mode.

D. HOA (Hand/Off/Automatic) indicators/buttons control pump mode with LED indication
E. Float Status indicators illuminate when floats are activated; alarm will activate and indicator will flash if a float operates out of sequence
F. Pump Run indicator illuminates when pump is called to run
G. Cycle Status indicators allow user to see which cycle (dose, flush, or drain) is activated
H. Advance and Pause buttons allow user to cycle through system functions for testing
I. Rest Time indicator illuminates in between cycles
J. Count indicator illuminates when viewing panel data
K. Program indicator illuminates when programming panel
L. Flush Valve indicator illuminates when flush valve is called to energize
M. Spin Valve indicator illuminates when spin valve is called to energize
N. Seven-Segment LED Display for high water alarm count, float status sequence error count, low level cutout float open low alarm count, standard dose count, power-fail count, pump on/off cycle count, pump run times (hh:mm), and peak dose count
O. Next, Up, Select Buttons are used to navigate through the display.

**NOTE:** LED display will turn off after one minute of not being used.

**COMPONENTS**

1. Enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use)
2. Red LED beacon provides 360° visual check of alarm condition
3. Exterior Alarm Test/Normal/Silence Switch allows horn and beacon to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)
4. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)
5. Circuit breaker provides pump disconnect and branch circuit protection
6. Circuit board provides power to main circuit board and contains terminal blocks for float and valve connections
7. Float connections
8. Valve connections
9. Magnetic motor contactor controls pump by switching electrical lines
10. Large incoming power/pump connection terminal block
11. Ground lugs

**Note:** Options, voltage, and amp range selected may change enclosure size and component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
IFS Drip Control Panel Operation:

Four (4) float switches (low level, timer on/off, peak enable, and high alarm floats) control the operation. Timers internal to the PCB control the pump dosing cycles. When the liquid level activates the timer on float, the following operations occur:

1. Rest time
2. The pump turns on and the spin filter valve opens for the user-programmed length of time.
3. The spin filter valve closes and the pump continues to run for the user-programmed dose time.
4. The pump continues to run and the flush valve opens for the user-programmed length of time.
5. The pump turns off and the flush valve remains open for the user-programmed drain time.
6. The flush valve closes for the user-programmed off time.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>VAC</th>
<th>FLA</th>
<th>List Price</th>
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<tbody>
<tr>
<td>1018134</td>
<td>IFS Drip Panel</td>
<td>120/208/240V</td>
<td>7-15</td>
<td>$1,830.00</td>
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<tr>
<td>1021573</td>
<td>IFS Drip Panel with Pressure Switch</td>
<td>120V</td>
<td>7-15</td>
<td>$1,924.00</td>
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<tr>
<td>1021563</td>
<td>IFS Drip Panel with Pressure Switch</td>
<td>120/208/240V</td>
<td>7-15</td>
<td>$1,973.00</td>
</tr>
</tbody>
</table>
The NEX Series® simplex panel is designed to control one single phase pump in water and wastewater applications. Two control switches activate a power relay to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audible/visual alarm system. The compact design (8" x 6" x 4") is ideal for residential applications. Universal pump voltage and control/alarm power allow the NEX Series® panel to handle three voltages (120/208/240V). The innovative internal design of components and integral mounting tabs make installation quick and simple.

### COMPONENTS

1. Enclosure measures 8 x 6 x 4 inches (20.32 x 15.24 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic) for indoor or outdoor use
2. Integral padlockable latch for added safety
3. Integral mounting feet
4. Power relay controls pump by switching electrical lines (Not shown)
5. HOA switch for manual pump control
6. Green Pump Run indicator light
7. Field wiring terminal blocks
8. Control/Alarm fuses
9. Control/Alarm Power indicator (not available with Elapsed Time Meter option)
10. Ground lug
11. Circuit breaker provides pump disconnect and branch circuit protection
12. Float Status indicator lights (Stop and Start float status) (Float/Control Voltage: 12 VDC)
13. Elapsed Time Meter (optional - not shown) provides pump run-time in hours
14. Red LED beacon provides 360° visual check of alarm condition
15. Alarm horn provides audible warning of alarm condition (85 to 90 decibel rating) (Not shown)
16. Exterior alarm Test/Silence push button switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition has been cleared (Not shown)
17. Auxiliary Alarm Contacts are provided for signaling an external device (Form C, 5 amp, 120V max)
VOLTAGE SUPPLY:
- PUMP: 120/208/240 VAC, 50/60 Hz
- CONTROL/ALARM: 120/208/240 VAC, 50/60 Hz

ENCLOSURE: 8 x 6 x 4 inch (20.32 x 15.24 x 10.16 cm)
- Padlockable NEMA 4X (ultraviolet stabilized thermoplastic with integral mounting feet for outdoor or indoor use)

FLOAT CONTROL VOLTAGE: 12 VDC

PUMP AMPS: 0-12 Amps; 9-20 Amps

AUXILIARY ALARM CONTACTS: Form C, 5 amp, 120 VAC Max

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (without Elapsed Time Meter)</th>
<th>Amps</th>
<th>Shipping Weight</th>
<th>List Price</th>
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<tbody>
<tr>
<td>1046436</td>
<td>NEX Series® Simplex, 120/208/240V, (3) 20' SJE SignalMaster® Switches</td>
<td>0-12</td>
<td>9 lbs.</td>
<td>$567.00</td>
</tr>
<tr>
<td>1047662</td>
<td>NEX Series® Simplex, 120/208/240V, No Floats</td>
<td>0-12</td>
<td>5 lbs.</td>
<td>$503.00</td>
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<tr>
<td>1054597</td>
<td>NEX Series® Simplex, 120/208/240V, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>0-12</td>
<td>13.6 lbs.</td>
<td>$825.00</td>
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<td>1046437*</td>
<td>NEX Series® Simplex, 120/208/240V, (3) 20’ SJE SignalMaster® Switches</td>
<td>9-20</td>
<td>9 lbs.</td>
<td>$567.00</td>
</tr>
<tr>
<td>1047663*</td>
<td>NEX Series® Simplex, 120/208/240V, No Floats</td>
<td>9-20</td>
<td>5 lbs.</td>
<td>$503.00</td>
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<tr>
<td>1054598</td>
<td>NEX Series® Simplex, 120/208/240V, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>9-20</td>
<td>13.6 lbs.</td>
<td>$825.00</td>
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<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (with Elapsed Time Meter)</th>
<th>Amps</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1053452</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, (3) 20’ SJE SignalMaster® Switches</td>
<td>0-12</td>
<td>9 lbs.</td>
<td>$646.00</td>
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<tr>
<td>1053454</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, No Floats</td>
<td>0-12</td>
<td>5 lbs.</td>
<td>$582.00</td>
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<tr>
<td>1053453</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>0-12</td>
<td>13.6 lbs.</td>
<td>$904.00</td>
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<td>1053455</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, No Floats</td>
<td>9-20</td>
<td>9 lbs.</td>
<td>$646.00</td>
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<tr>
<td>1053456</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>9-20</td>
<td>5 lbs.</td>
<td>$582.00</td>
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<tr>
<td>1055708</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>9-20</td>
<td>13.6 lbs.</td>
<td>$904.00</td>
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<tr>
<td>1055709</td>
<td>NEX Series® Simplex, 120/208/240V, with ETM, EZconnex® 3-Port, 50’ with (3) 10’ Floats ✦</td>
<td>9-20</td>
<td>13.6 lbs.</td>
<td>$904.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**All EZconnex® float switches are normally open with pipe clamp.**

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**NEX SERIES® SINGLE PHASE SIMPLEX** - Single phase, simplex motor control.
The NEX Series® duplex panel is designed to alternately control two 120, 208 or 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, an alarm switch activates the audible/visual alarm system. The compact design (10” x 8” x 4”) is ideal for residential applications. Universal pump voltage and control/alarm power allow the NEX Series® panel to handle three voltages (120/208/240V). The innovative internal design of components and integral mounting tabs make installation quick and simple. Includes integral padlockable latch for added safety.

**COMPONENTS**

1. Enclosure measures 10 x 8 x 4 inches (25 x 20 x 10 cm) NEMA 4X (ultraviolet stabilized thermoplastic) for indoor or outdoor use
2. Integral padlockable latch for added safety
3. Integral mounting feet for indoor or outdoor use
4. Power relays control pumps by switching electrical lines (Not shown)
5. HOA switches for manual pump control
6. Green Pump Run indicator lights
7. Field wiring terminal blocks
8. Control/Alarm fuses
9. Control/Alarm Power indicator
10. Ground lug
11. Circuit breakers provide pump disconnect and branch circuit protection
12. Float Status indicator lights (Stop, Lead and Lag float status) (Float/Control Voltage: 12 VDC)
13. Elapsed Time Meter (optional - not shown) provides individual pump run-time in hours
14. Red LED beacon provides 360° visual check of alarm condition
15. Alarm horn provides audible warning of alarm condition (85 to 90 decibel rating) (Not shown)
16. Exterior alarm Test/Silence push button switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition has been cleared (Not shown)
17. Auxiliary Alarm Contacts are provided for signaling an external device (Form C, 5 amp, 120V max)
**NEX SERIES® SINGLE PHASE DUPLEX** - Single phase, duplex motor control.

### SPECIFICATIONS

**VOLTAGE SUPPLY:**
- **PUMP:** 120/208/240 VAC, 50/60 Hz
- **CONTROL/ALARM:** 120/208/240 VAC, 50/60 Hz

**ENCLOSURE:**
- 10 x 8 x 4 inch (25 x 20 x 10 cm)
  - Padlockable NEMA 4X (ultraviolet stabilized thermoplastic with integral mounting feet for outdoor or indoor use)

**FLOAT CONTROL VOLTAGE:** 12 VDC

**PUMP AMPS:** 0-12 Amps; 9-20 Amps

**AUXILIARY ALARM CONTACTS:** Form C, 5 amp, 120 VAC Max

### PART # DESCRIPTION (WITHOUT ELAPSED TIME METER)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Amps</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1051630</td>
<td>NEX Series® Duplex, 120/208/240 V, (4) 20' SJE SignalMaster Switches</td>
<td>0-12</td>
<td>14 lbs.</td>
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<tr>
<td>1051631</td>
<td>NEX Series® Duplex, 120/208/240 V, (3) 20' SJE SignalMaster Switches</td>
<td>0-12</td>
<td>12 lbs.</td>
<td>$1,006.00</td>
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<tr>
<td>1051632</td>
<td>NEX Series® Duplex, 120/208/240 V, No Floats</td>
<td>0-12</td>
<td>9 lbs.</td>
<td>$898.00</td>
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<tr>
<td>1051633</td>
<td>NEX Series® Duplex, 120/208/240 V, (4) 20' SJE SignalMaster Switches</td>
<td>9-20</td>
<td>14 lbs.</td>
<td>$1,042.00</td>
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<tr>
<td>1051634</td>
<td>NEX Series® Duplex, 120/208/240 V, (3) 20' SJE SignalMaster Switches</td>
<td>9-20</td>
<td>12 lbs.</td>
<td>$1,006.00</td>
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<tr>
<td>1051635</td>
<td>NEX Series® Duplex, 120/208/240 V, No Floats</td>
<td>9-20</td>
<td>9 lbs.</td>
<td>$898.00</td>
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### PART # DESCRIPTION (WITH ELAPSED TIME METER)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Amps</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1053263</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, (4) 20' SJE SignalMaster Switches</td>
<td>0-12</td>
<td>14 lbs.</td>
<td>$1,160.00</td>
</tr>
<tr>
<td>1053264</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, (3) 20' SJE SignalMaster Switches</td>
<td>0-12</td>
<td>12 lbs.</td>
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<tr>
<td>1053265</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, No Floats</td>
<td>0-12</td>
<td>9 lbs.</td>
<td>$1,016.00</td>
</tr>
<tr>
<td>1053266</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, (4) 20' SJE SignalMaster Switches</td>
<td>9-20</td>
<td>14 lbs.</td>
<td>$1,160.00</td>
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<tr>
<td>1053267</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, (3) 20' SJE SignalMaster Switches</td>
<td>9-20</td>
<td>12 lbs.</td>
<td>$1,124.00</td>
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<td>1053268</td>
<td>NEX Series® Duplex, 120/208/240 V, with ETM, No Floats</td>
<td>9-20</td>
<td>9 lbs.</td>
<td>$1,016.00</td>
</tr>
</tbody>
</table>

### PART # DESCRIPTION (WITH EZconnex® 4-Port System)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Amps</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1055737</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 25' with (3) 10' Floats with Plug ✤</td>
<td>0-12</td>
<td>19 lbs.</td>
<td>$1,263.00</td>
</tr>
<tr>
<td>1055738</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 50' with (3) 10' Floats with Plug ✤</td>
<td>0-12</td>
<td>22 lbs.</td>
<td>$1,310.00</td>
</tr>
<tr>
<td>1055739</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 25' with (4) 10' Floats ✤</td>
<td>0-12</td>
<td>20 lbs.</td>
<td>$1,301.00</td>
</tr>
<tr>
<td>1055740</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 50' with (4) 10' Floats ✤</td>
<td>0-12</td>
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<td>$1,348.00</td>
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<tr>
<td>1055741</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 25' with (3) 10' Floats with Plug ✤</td>
<td>9-20</td>
<td>19 lbs.</td>
<td>$1,263.00</td>
</tr>
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<td>1055742</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 50' with (3) 10' Floats with Plug ✤</td>
<td>9-20</td>
<td>22 lbs.</td>
<td>$1,310.00</td>
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<td>1055743</td>
<td>NEX Series® Duplex, 120/208/240 V, EZconnex® 4-Port, 25' with (4) 10' Floats ✤</td>
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<td>20 lbs.</td>
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<td>1055744</td>
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<td>9-20</td>
<td>23 lbs.</td>
<td>$1,348.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

✝ All EZconnex® float switches are normally open with pipe clamp.
The Model 115 control panel provides customers with a reliable means of controlling one 120, 208, or 240 VAC single phase pump in water and wastewater installations. A pump float switch turns the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems, and lift stations.

**OPTIONAL FEATURE**

- 34” (86.36 cm) Panel Mounting Post (factory installed). Includes Simplex Installation Kit (Enclosure upsized to 10” x 8” x 6” (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14” x 12” x 6” (35.56 x 30.48 x 15.24 cm)

**COMPONENTS**

1. Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) enclosure; enclosure measures 8 x 6 x 4 inches (20.32 x 15.24 x 10.16 cm)
2. HOA switch for manual pump control
3. Green pump run indicator light
4. Pump circuit terminal block
5. Alarm circuit terminal block (mounted on circuit board)
6. Alarm fuse (mounted on circuit board).
7. Alarm power indicator (mounted on circuit board)
8. Ground lug

**Standard ALARM PACKAGE**

9. Red LED beacon provides 360° visual check of alarm condition - Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon
10. Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating) - Note: NEMA 1 style utilizes an internally mounted buzzer in lieu of a horn
11. Exterior alarm test/normal/silence switch
12. Horn silence relay (mounted on circuit board)

**Note:** Other options available.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
### OPTIONS DESCRIPTION LIST PRICE

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>11B</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select Option 1E if floats included)</td>
<td>$17.00</td>
</tr>
<tr>
<td>1D</td>
<td>10' Cord in Lieu of 20' Cord (per Float) - Does not apply to Double Float® or Double Float® Master Pump Switches</td>
<td>$3.00</td>
</tr>
<tr>
<td>1E</td>
<td>Alarm Float</td>
<td>$28.00</td>
</tr>
<tr>
<td>1F</td>
<td>15' Cord in Lieu of 20' Cord (per Float)</td>
<td>$2.00</td>
</tr>
<tr>
<td>1G</td>
<td>30' Cord in Lieu of 20' Cord (per Float)</td>
<td>$5.00</td>
</tr>
<tr>
<td>1H</td>
<td>40' Cord in Lieu of 20' Cord (per Float)</td>
<td>$15.00</td>
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<tr>
<td>1I</td>
<td>No Pump Switch</td>
<td>$43.00</td>
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<tr>
<td>1J</td>
<td>120V Double Float® Master Pump Switch (0-15 FLA) - Mechanical</td>
<td>$38.00</td>
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<tr>
<td>1K</td>
<td>240V Double Float® Master Pump Switch (0-15 FLA) - Mechanical</td>
<td>$38.00</td>
</tr>
<tr>
<td>1L</td>
<td>SJE SignalMaster® / Pipe Clamp (Alarm Float Only) - Mercury</td>
<td>$4.00</td>
</tr>
<tr>
<td>1M</td>
<td>Panel Mounting Post - Factory Installed, Includes Simplex Installation Kit (Enclosure Upsized to 10x8x6, Max 14x12x6)</td>
<td>$155.00</td>
</tr>
</tbody>
</table>

### OPTIONS LISTED BELOW

- **Model 115 Base Price**: $608.00
- **Alarm Package**:
- **Enclosure Rating**:
- **Starting Device**:
- **Pump Full Load Amps**:
- **Pump Disconnects**:
- **Float Switch Application**:
- **Total Options**:
- **TOTAL LIST PRICE**: $608.00

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**CALIFORNIA Prop 65 requires the following:** WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**B.34**

www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single phase pump in pump chambers, sump pump basins, irrigation systems and lift stations. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system.

**OPTIONAL FEATURE**

- 34” (86.36 cm) Panel Mounting Post (Factory Installed). Includes Simplex Installation Kit (Enclosure upsized to 10’ x 8’ x 6” (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14” x 12” x 6” (35.56 x 30.48 x 15.24 cm))

**COMPONENTS**

1. Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) enclosure; enclosure measures 8 x 8 x 4 inches (20.32 x 20.32 x 10.16 cm)
2. Magnetic motor contactor
3. HOA switch for manual pump control (mounted on circuit board)
4. Green pump run indicator light (mounted on circuit board)
5. Float switch terminal block (mounted on circuit board)
6. Alarm and control fuses (mounted on circuit board)
7. Alarm and control power indicators (mounted on circuit board)
8. Ground lug
9. Circuit breaker (optional)
10. Red LED beacon provides 360° visual check of alarm condition - Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon
11. Alarm horn provide audible warning of alarm condition (83 to 85 decibel rating) - Note: NEMA 1 style utilizes an internally mounted buzzer in lieu of horn
12. Exterior alarm test/normal/silence switch allows horn to be silenced in an alarm condition; alarm automatically resets once alarm condition has been cleared
13. Horn silence relay (mounted on circuit board)

Note: Options, voltage, and amp range selected may change enclosure size and component layout.
Note: Other options available.
Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
Model 112 - Single phase, simplex motor contactor control.

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>ALARM PACKAGE</th>
<th>ENCLOSURE RATING</th>
<th>STARTING DEVICE</th>
<th>PUMP FULL LOAD AMPS</th>
<th>PUMP DISCONNECTS</th>
<th>TOTAL OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 112 Single Phase Simplex</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$713.00</td>
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</table>

**Enclosure Rating**
- I Indoor, NEMA 1 (metal) - $50.00
- W Weatherproof, NEMA 4X (engineered thermoplastic) Base

**Starting Device**
- 1 Magnetic Motor Contactor 120/208/240V - $6.00
- 9 Magnetic Motor Contactor, 120V only Base

**Starting Device Option 9**
- 1 Magnetic Motor Contactor, 120V only Base
- 9 Magnetic Motor Contactor, 120V only Base

**Enclosure Upsize**
- 112 Single Phase Simplex $713.00

**Float Switch Application**
- 10P 10K 14B
- 4A
- 14B

**Part #** 1121W114H17A
**List Price** $786.00

**Part #** 1121W114H6A17A
**List Price** $803.00

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*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.*
The newly redesigned Model 122 control panel controls two 120/208/240V single phase pumps in water and sewage installations. This panel includes a new innovative duplex controller for pump control, alternation and alarm; including float status LEDs, control/alarm power on/off switch with LED indicator, pump run LEDs, HOA switches, pump lead lag selector switch, auxiliary contacts and more!

The Model 122 control panel features built in lag pump delay time, pump failure detection, and float out of sequence. In addition, there are four user selectable field programmable operations: alarm steady state or flashing; alarm auto reset or manual reset; pump failure notification, and optional seal failure alarm beacon notification or beacon plus horn activation. This panel is available with optional EZconnex® float connection system.

Other features include:
- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses (control, alarm, pump 1, and pump 2), no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up

**COMPONENTS**

1. Enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use)

2. Duplex controller provides pump control, alternation and alarm; elevated in the enclosure for easy access and field wiring
   a. HOA switches for manual control of the pump with green/red LED indicators
   b. Control power ON/OFF switch
e. Float status red LED indicators
   f. Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1-lag
g. Auxiliary alarm contacts Form C
   h. Separate terminal blocks for incoming power and float switches
   j. Option: adjustable seal failure circuits and red LED indicators (must select option SE when ordering)

3. Magnetic motor contactors control pumps by switching electrical lines

4. Circuit breakers (optional) provide pump disconnect and branch circuit protection

5. Ground lugs

6. Red LED beacon provides 360° visual check of alarm condition

7. Alarm horn provides audible alarm warning (83 to 85 decibel rating) (Not shown)

8. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared unless the controller is programmed to manual alarm reset (Not shown)

**Note:** Options may increase enclosure size and/or change enclosure features/component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
MODEL 122 - Single phase, duplex alternating pump control with override.

### CONTROL PANEL
- **122**: Simplex Phase Duplex (includes Options 6A and 19B as standard) - $1,090.00

### ALARM PACKAGE
- 0: Select Options or No Alarm Package - $36.00
- 1: Alarm Package (includes test/normal/silence switch, red light, & horn) - Base

### ENCLOSURE RATING
- I: Indoor, NEMA 1 (metal) - $75.00
- W: Weatherproof, NEMA 4X (engineered thermoplastic) - Base

### STARTING DEVICE
- 1: Magnetic Motor Contactor 120/208/240V - Base
- 9: Magnetic Motor Contactor 120V only - Base

### PUMP FULL LOAD AMPS
- 0: 7 - 15 FLA - Base
- 2: 15 - 20 FLA - Base
- 3: 20 - 30 FLA - $12.00

### PUMP DISCONNECTS
- 0: No Pump Disconnect - Base
- 4: Circuit Breaker 120V (select STARTING DEVICE option 9 above) - $76.00
- 5: Circuit Breaker 120/208/240V (select STARTING DEVICE option 1 above) - $152.00

### ENCLOSURE UPSIZE
- 6A: Auxiliary Alarm Contact, Form C (included as standard) - $0.00
- 8A: Elapsed Time Meter - $121.00
- 10E: Lockable Latch - NEMA 4X (included as standard, must select ENCLOSURE RATING W above) - $0.00
- 10F: Lightning Arrester (select pump circuit breaker) - $251.00
- 10K: Anti-condensation Heater - $109.00
- 11C: Additional NEMA 1 Remote Alarm Panel - $101.00
- 11D: Additional NEMA 4X Remote Alarm Panel - $324.00
- 14B: Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON-position) (must select circuit breaker) - $349.00

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### ENCLOSURE UPSIZE
- $114.00 for NEMA 4X, $109.00 for NEMA 1 for enclosure upsize.

---

### OPTIONS

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio (must select &quot;0&quot; for ALARM PACKAGE)</td>
<td>$22.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select &quot;0&quot; for ALARM PACKAGE)</td>
<td>$22.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher (factory programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset (factory programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 40 if floats are required)</td>
<td>$43.00</td>
</tr>
<tr>
<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$66.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$185.00</td>
</tr>
</tbody>
</table>

### TOTAL LIST PRICE

MODEL 122 Base Price $1,090.00

- Alarm Package
- Enclosure Rating
- Starting Device
- Pump Full Load Amps
- Pump Disconnects
- Float Switch Application
- Total Options
- Enclosure Upsize

### PART # PRE-CONFIGURED PANELS FOR EASY ORDERING

<table>
<thead>
<tr>
<th>Part #</th>
<th>Pre-configured Panels for Easy Ordering</th>
<th>List Price</th>
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<tbody>
<tr>
<td>1019842*</td>
<td>1221W114H6A10E17G19B</td>
<td>$1,242.00</td>
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<tr>
<td>1019462*</td>
<td>1221W114X6A10E19B</td>
<td>$1,158.00</td>
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</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.
The Model 312 control panel provides industrial and commercial customers with a reliable means of controlling one 208/240/480V three phase pump in water and sewage installations. Two control switches activate an IEC motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, irrigation systems, and lift stations. This panel is available with optional EZconnex® float connection system.

**Components**

1. NEMA 4X (ultraviolet stabilized thermoplastic enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24), padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use). Note: added options may change enclosure size and enclosure features.
2. IEC motor contactor controls pump by switching electrical lines
3. Multi-tap transformer (208/240/480 VAC primary) provides 120V control/alarm voltage or 600VAC primary transformer
4. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect
5. HOA switch for manual pump control (mounted on circuit board)
6. Green Pump Run indicator light (mounted on circuit board)
7. Alarm fuse (mounted on circuit board)
8. Control fuse (mounted on circuit board)
9. Alarm and control power indicators (mounted on circuit board)
10. Float switch terminal block (mounted on circuit board)
11. Input power terminal block
12. Ground lugs
13. Red LED beacon provides 360° visual check of alarm condition
14. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
15. Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
16. Horn silence relay (mounted on circuit board).

Note: Options may increase enclosure size and/or change enclosure features/component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
## MODEL 312 - Three phase, simplex, motor contactor control.

### Control Panel
- **312** Three Phase Simplex (includes Option 10E as standard) $1,617.00

### Alarm Package
- 0 Select Options or No Alarm Package $-36.00
- 1 Alarm Package (includes test/normal/silence switch, fuse, red light, & horn) Base

### Enclosure Rating
- **W** Weatherproof, NEMA 4X (engineered thermoplastic) Base

### Pump Full Load Amps

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>LOAD AMPS</th>
<th>PUMP FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>208/240/480V</td>
<td>60DV</td>
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<tr>
<td>001 1.0 - 1.6 FLA</td>
<td>005 1.0 - 1.6 FLA</td>
<td>Base</td>
</tr>
<tr>
<td>101 1.6 - 2.5 FLA</td>
<td>105 1.6 - 2.5 FLA</td>
<td>Base</td>
</tr>
<tr>
<td>201 2.5 - 4.0 FLA</td>
<td>205 2.5 - 4.0 FLA</td>
<td>Base</td>
</tr>
<tr>
<td>301 4.0 - 6.3 FLA</td>
<td>305 4.0 - 6.3 FLA</td>
<td>Base</td>
</tr>
<tr>
<td>401 6.0 - 10.0 FLA</td>
<td>405 6.0 - 10.0 FLA</td>
<td>Base</td>
</tr>
<tr>
<td>511 9.0 - 14.0 FLA</td>
<td>515 9.0 - 14.0 FLA</td>
<td>$49.00</td>
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<tr>
<td>611 13.0 - 18.0 FLA</td>
<td>615 13.0 - 18.0 FLA</td>
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<tr>
<td>701 20.0 - 25.0 FLA</td>
<td>705 20.0 - 25.0 FLA</td>
<td>$60.00</td>
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</tbody>
</table>

### Float Switch Application
- **H** Floats - Pump Down (select Option 17 below) Base
- **L** Floats - Pump Up (select Option 17 below) Base
- **E** EZconnex® Float Switch System (select Option 33 or 34 below) with Alarm Package $-84.00
- **X** No Floats with Alarm Package $-84.00

### Options (Listed Below)

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio (must select Option 1E if floats included)</td>
<td>$17.00</td>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per float)</td>
<td>$-3.00</td>
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<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select Option 1E if floats included)</td>
<td>$17.00</td>
<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per float)</td>
<td>$-2.00</td>
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<tr>
<td>1E</td>
<td>Alarm Float</td>
<td>$28.00</td>
<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per float)</td>
<td>$5.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$49.00</td>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per float)</td>
<td>$15.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
<td>17A</td>
<td>SJE SignalMaster® / Pipe Clamp (per Float) - Mechanical</td>
<td>$-3.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
<td>17B</td>
<td>SJE SignalMaster®/Externally Weighted (per Float) - Mechanical</td>
<td>$5.00</td>
</tr>
<tr>
<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$66.00</td>
<td>17C</td>
<td>Sensor Float® / Internally Weighted (per Float) - Mercury</td>
<td>$9.00</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
<td>17D</td>
<td>Sensor Float® / Externally Weighted (per Float) - Mercury</td>
<td>$11.00</td>
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<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$43.00</td>
<td>17E</td>
<td>Sensor Float® Mini / Pipe Clamp (per Float) - Mercury</td>
<td>$2.00</td>
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<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$175.00</td>
<td>17F</td>
<td>Sensor Float® Mini / Externally Weighted (per Float) - Mercury</td>
<td>$9.00</td>
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<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$17.00</td>
<td>17J</td>
<td>Sensor Float® / Pipe Clamp (per Float) - Mercury</td>
<td>$4.00</td>
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<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$82.00</td>
<td>19T</td>
<td>TOA (Test/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
<td>$82.00</td>
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<tr>
<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$71.00</td>
<td>19U</td>
<td>HOA (Hand/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
<td>$66.00</td>
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<tr>
<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door) PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED</td>
<td>$185.00</td>
<td>19X</td>
<td>Door Mounted Pump Run Indicator</td>
<td>$33.00</td>
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<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X (included as standard)</td>
<td>$0.00</td>
<td>21A</td>
<td>SJE PumpMaster® in Lieu of ON/OFF Switches - Mechanical</td>
<td>$-12.00</td>
</tr>
<tr>
<td>10G</td>
<td>Lightning Arrestor</td>
<td>$218.00</td>
<td>21B</td>
<td>SJE PumpMaster® Plus in Lieu of ON/OFF Switches - Mechanical</td>
<td>$16.00</td>
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<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$137.00</td>
<td>21C</td>
<td>Super Single® in Lieu of ON/OFF Switches - Mercury</td>
<td>$20.00</td>
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<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must also select Option 6A)</td>
<td>$101.00</td>
<td>21D</td>
<td>Double Float® in Lieu of ON/OFF Switches - Mechanical</td>
<td>$40.00</td>
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<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must also select Option 6A)</td>
<td>$324.00</td>
<td>33G</td>
<td>EZconnex® 3-Port, 25', with 20' Floats (3) / Pipe Clamp</td>
<td>$279.00</td>
</tr>
<tr>
<td>14B</td>
<td>Main Disconnect - 14x12 Enclosure Upgrade (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON position)</td>
<td>$316.00</td>
<td>33H</td>
<td>EZconnex® 3-Port, 50', with 20' Floats (3) / Pipe Clamp</td>
<td>$334.00</td>
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<tr>
<td></td>
<td>EZconnex® mechanically-activated, narrow angle float switches with quick release connections</td>
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<td>34G</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>34H</td>
<td>EZconnex® 4-Port, 50', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$419.00</td>
</tr>
</tbody>
</table>

### Pricing Worksheet
- **Model 312 Base Price** $1,617.00
- **Alarm Package**
- **Enclosure Rating**
- **Pump Full Load Amps**
- **Float Switch Application**
- **Total Options**
- **Total List Price**

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B.40 www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
The newly redesigned Model 322 control panel controls two 208/240/480V three phase pumps in water and sewage installations. This panel includes a new innovative duplex controller for pump control, alternation and alarm; including float status LEDs, HOA switches, pump lead lag selector switch, auxiliary contacts and more!

The Model 322 control panel features built in lag pump delay time, pump failure detection, and float out of sequence. In addition, there are four user selectable field programmable operations: alarm steady state or flashing; alarm auto reset or manual alarm reset; pump failure notification; and optional seal failure alarm beacon notification or beacon plus horn activation. This panel is available with optional EZconnex® float connection system.

Other features include:
- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses (control, alarm, pump 1, and pump 2), no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up

### COMPONENTS

1. NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) enclosure; enclosure measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm)
2. IEC motor contactors control pumps by switching electrical lines
3. Multi-tap transformer (208/240/480 VAC primary or 600 VAC primary transformer) provides 120 VAC control/alarm voltage
4. Motor protective switches provide adjustable overload, branch circuit protection and pump disconnect
5. Duplex controller provides pump control, alternation and alarm
   a. HOA switches for manual control Hand/Off/Automatic
   b. Control power ON/OFF switch
   c. Power ON green LED indicator
   d. Float status red LED indicators
   e. Float push-to-test buttons
   f. Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1 lag
   g. Auxiliary alarm contacts Form C
   h. Terminal block: incoming power
   i. Terminal block: float switches
   j. Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)
6. Ground lugs
7. Red LED beacon provides 360° visual check of alarm condition
8. Alarm horn provides audible alarm warning (83 to 85 decibel rating)
9. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared

Note: Options may increase enclosure size and/or change enclosure features/component layout.
Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
## MODEL 322

Three phase, duplex alternating pump control with override.

### PRICING WORKSHEET

<table>
<thead>
<tr>
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<th>Description</th>
<th>List Price</th>
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</thead>
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<td>Select Options or No Alarm Package</td>
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<td>Alarm Package (includes test/normal/silence switch, red light, &amp; horn)</td>
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<tr>
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<td>Three Phase Duplex (includes Options 6A and 19B as standard)</td>
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### LOADING AMPS

| Pump Full Load Amps | 001 1.0 - 1.6 FLA | 005 1.0 - 1.6 FLA | 101 1.6 - 2.5 FLA | 105 1.6 - 2.5 FLA | 201 2.5 - 4.0 FLA | 205 2.5 - 4.0 FLA | 301 4.0 - 6.3 FLA | 305 4.0 - 6.3 FLA | 401 6.0 - 10.0 FLA | 405 6.0 - 10.0 FLA | 511 9.0 - 14.0 FLA | 515 9.0 - 14.0 FLA | 611 13.0 - 18.0 FLA | 615 13.0 - 18.0 FLA | 621 17.0 - 23.0 FLA | 625 17.0 - 23.0 FLA | 701 20.0 - 25.0 FLA | 705 20.0 - 25.0 FLA |
| 600V    | $2,297.00 | $2,297.00 | $355.00 | $355.00 | $511 | $511 | $66.00 | $66.00 | $88.00 | $88.00 | $137.00 | $137.00 | $43.00 | $43.00 | $66.00 | $66.00 |

### ENSCLOSEMENT RATING

| W Weatherproof, NEMA 4X (engineered thermoplastic) | Base |

### ENCLOSURE RATING

| 001 1.0 - 1.6 FLA | 005 1.0 - 1.6 FLA | 101 1.6 - 2.5 FLA | 105 1.6 - 2.5 FLA | 201 2.5 - 4.0 FLA | 205 2.5 - 4.0 FLA | 301 4.0 - 6.3 FLA | 305 4.0 - 6.3 FLA | 401 6.0 - 10.0 FLA | 405 6.0 - 10.0 FLA | 511 9.0 - 14.0 FLA | 515 9.0 - 14.0 FLA | 611 13.0 - 18.0 FLA | 615 13.0 - 18.0 FLA | 621 17.0 - 23.0 FLA | 625 17.0 - 23.0 FLA | 701 20.0 - 25.0 FLA | 705 20.0 - 25.0 FLA |
| 600V    | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base | Base |

### FLOAT SWITCH APPLICATION

If you selected one or more of the options, add a one-time $55.00 charge for enclosure upsize.

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<th>Description</th>
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<td>Horn Only / No Visual</td>
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<td>3A</td>
<td>Alarm Flasher (Factory Programmed)</td>
<td>$36.00</td>
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<tr>
<td>3B</td>
<td>Manual Alarm Reset (Factory Programmed)</td>
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<td>Redundant Off (must also select Option 4D if floats are required)</td>
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<tr>
<td>4B</td>
<td>Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
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<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
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<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
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<tr>
<td>✓ 6A</td>
<td>Auxiliary Alarm Contact, Form C (included as standard)</td>
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<td>8A</td>
<td>Elapsed Time Meter</td>
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<td>8C</td>
<td>Event (Cycle) Counter</td>
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<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door) PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED</td>
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<tr>
<td>10E</td>
<td>Lockable Latch</td>
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<tr>
<td>10G</td>
<td>Lightning Arrester</td>
<td>$218.00</td>
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<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$137.00</td>
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<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel</td>
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<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel</td>
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<td>14B</td>
<td>Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON-position) 0-10 FLA (total of both pumps)</td>
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<td>10-20 FLA (total of both pumps)</td>
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<tr>
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<td>20-50 FLA (total of both pumps)</td>
<td>$743.00</td>
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### OPTIONS (LISTED BELOW)

1A Red Beacon Only / No Audio $22.00
1B Horn Only / No Visual $22.00
3A Alarm Flasher (Factory Programmed) $36.00
3B Manual Alarm Reset (Factory Programmed) $36.00
4A Redundant Off (must also select Option 4D if floats are required) $43.00
4B Redundant Off Indicator & Alarm (must also select Option 4A) $66.00
4D Redundant Off Float (must also select Option 4A and Option 17) $28.00
5A Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads) $86.00
5E Seal Failure Circuit & Red Indicator (2 wire) $185.00
6A Auxiliary Alarm Contact, Form C (included as standard) $0.00
8A Elapsed Time Meter $121.00
8C Event (Cycle) Counter $98.00
10A Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door) PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED $207.00
10E Lockable Latch $43.00
10G Lightning Arrester $218.00
10K Anti-condensation Heater $137.00
11C Additional NEMA 1 Remote Alarm Panel $101.00
11D Additional NEMA 4X Remote Alarm Panel $324.00
14B Main Disconnect (rotary style, mounted through door, non-fused,padlockable in the OFF position, door interlock in the ON-position) 0-10 FLA (total of both pumps) $311.00
9-10 FLA (total of both pumps) $355.00
20-50 FLA (total of both pumps) $743.00

### EZconnex®

- Mechanically-activated, narrow angle float switches with quick release connections
- EZconnex® 4-Port, 50', with 10' Floats (4) / Pipe Clamp $437.00
- EZconnex® 4-Port, 50', with 20' Floats (4) / Pipe Clamp $464.00
- EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp $390.00
- EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp $417.00
- EZconnex® 4-Port, 25', with 10' Floats (3) / Pipe Clamp, Sealing Plug $353.00
- EZconnex® 4-Port, 25', with 20' Floats (3) / Pipe Clamp, Sealing Plug $373.00
- EZconnex® 4-Port, 25', with 10' Floats (2) / Pipe Clamp $311.00
- EZconnex® 4-Port, 25', with 20' Floats (2) / Pipe Clamp $331.00
- EZconnex® 4-Port, 25', with 10' Floats (1) / Pipe Clamp $271.00
- EZconnex® 4-Port, 25', with 20' Floats (1) / Pipe Clamp $291.00
- EZconnex® 4-Port, 25', with 10' Floats (0) / Pipe Clamp $211.00
- EZconnex® 4-Port, 25', with 20' Floats (0) / Pipe Clamp $231.00

### WARNING

California Prop 65 requires the following: **WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
The Model 32S control panel is designed to alternately control two three phase pumps in industrial and commercial water and sewage systems using standard 4 float operation (off, lead start, lag start, high level). The alternating action equalizes pump wear. In addition to alternating pump control, this system provides time delayed override control should either pump fail. This panel also provides seal fail indicators, thermal cutout and elapsed time meters for each pump. If a high water alarm condition occurs, the alarm switch activates the audible/visual alarm system along with auxiliary contacts for remote alarm. Common applications include lift stations, pump chambers, or installations classified as hazardous locations requiring intrinsically safe circuits.

**INNER DOOR FEATURES**

Inner Door provides a degree of safety for panel operation.

A. Hand/Off/Auto switches (22mm) for manual pump control (mounted on inner door)
B. Elapsed Time Meters provide time monitoring of pump operation (mounted on inner door)
C. Green Pump Run indicator lights (22mm) identify pump called to run condition (mounted on inner door)
D. Adjustable seal fail module provides dual pump seal inputs and two red seal fail indicators (mounted on inner door)
E. Inner door provides a degree of safety for panel operation

**COMPONENTS**

1. Enclosure measures 20” x 16” x 8” (50.8 x 40.6 x 20.3 cm) Type 4X stainless steel or Type 4X fiberglass 18” x 16” x 10” (45.7 x 40.6 x 25.4 cm) with mounting feet (for outdoor or indoor use)
2. Padlockable latch provides added safety
3. IEC HP rated motor starters perform contactor/circuit-breaker function, up to 32 FLA (requires separate overload modules); provides location for field wiring of incoming power and pumps
4. Multi-tap transformer (208/230/460 VAC primary) provides 120 VAC control/alarm voltage along with primary and secondary fusing
5. Class 10 ambient overload modules (purchased separately) provide overload-short circuit, phase failure-phase imbalance and ground fault protection (equipment protection only); accessible through inner door (two overload modules required, field installation required)
6. DPC-4F controller sequences pumps on and off in response to change in level input provided by the float switches, provides pump alternation selection (Alt, 1-2, 2-1), lag pump delay time (0-60 seconds), and provides the high water alarm and float out-of-sequence alarm conditions; for float out of sequences, the controller will reassign float designation for continued operation, until the float condition has cleared
7. Terminal blocks provide location for field wiring of floats, auxiliary alarm contact, seal fail and thermal cutout for each pump
8. Ground bar provides location for field wiring ground wires incoming power and pumps
9. Auxiliary alarm relay provides normally open contacts for activation of remote devices during high water condition
10. Red LED beacon provides 360 degree visual check of alarm condition
11. Alarm horn provides audio warning of alarm condition (95 decibel rating) (Not shown)
12. Exterior Test/Silence button (22 mm) allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)

**Intrinsically Safe Models**

13. Intrinsically safe 4-channel module limits the amount of energy to float switches preventing ignition of flammable gases (Not shown)

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
MODEL 32S - Three phase, duplex alternating pump control with override. Simply add the appropriate overload modules.

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<td>1059958</td>
<td>32STW000X3A5AE6A8A10AE19B Fiberglass Enclosure</td>
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<td>1059959</td>
<td>32STW000X3A5AE6A8A10AE19B27A Fiberglass Enclosure, Intrinsically Safe Relay</td>
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**Options**

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<td>1023500</td>
<td>Overload Module 4.5-18.0 FLA</td>
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<tr>
<td>1033806</td>
<td>Overload Module 8.0-32.0 FLA</td>
<td>$110.00</td>
</tr>
<tr>
<td>1036351</td>
<td>Surge Arrestor with Bracket</td>
<td>$195.00</td>
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Note: Each panel requires two overload modules. Field installation required.

**SPECIFICATIONS**

**VOLTAGE SUPPLY:** 208/230/460 VAC 50/60 Hz 3Ø

**ENCLOSURE:**
- 32SIS: 20 x 16 x 8 inch (50.8 x 40.6 x 20.3 cm) NEMA 4X stainless steel, rated for indoor/outdoor use
- 32SIW: 18 x 16 x 10 inch (45.7 x 40.6 x 25.4 cm) NEMA 4X fiberglass, rated for indoor/outdoor use

**INNER DOOR & BACK PLATE:** white painted steel

**LOCKING LATCH:** (1) stainless steel 32SIS, or (2) thermoplastic 32SIW, padlockable

**DPC-4F CONTROLLER:** Provides pump control sequence, pump selector switch, pump lag delay timer (0-60 sec), high water alarm, float out-of-sequence alarm and float reassignment, green pump call-to-run LEDs, and amber float status LEDs

**FLOAT CONTROL VOLTAGE:** 12 DC

**MOTOR STARTER:** IEC motor protection switch, IEC motor contactor with disconnect/overload reset mounted through the inner door

**PUMP AMPS:** 0-32 FLA each

**ALARM HORN:** 85-87 decibel rating

**FLASHING RED LED ALARM LIGHT 360°**

**PUMP HAND-OFF-AUTO SWITCHES:** 22mm mounted on inner door

**PUMP RUN LIGHTS:** green LED, 22mm mounted on inner door

**ELAPSED TIME METER:** mounted on inner door

**DUAL SEAL FAIL MODULE:** two pumps, adjustable 1k-250kΩ, red LED's mounted on inner door

**AUXILIARY ALARM CONTACTS:** Form A, N.O.

**INTRINSICALLY SAFE MODELS:** 4 channel IS relay cUL 913 Listed Control panel cUL 698A Listed
The Model 32XR control panel is designed to alternately control two three phase pumps in industrial and commercial water and sewage systems using a 4-20 mA level transmitter. In addition to transmitter control, this system will accept a high water float to activate the alarm and run both pumps. This panel also provides a redundant low level cutout, seal fail and thermal cutout for both pumps. Common applications include lift stations, pump chambers and irrigation systems.

**COMPONENTS**

1. Enclosure measures 18" x 16" x 10" (45.7 x 40.6 x 25.4 cm) TYPE 4X fiberglass with mounting feet (for indoor or outdoor use)
2. Padlockable latch provides added safety (Not shown)
3. IEC HP rated motor starters perform contactor/circuit breaker function, up to 32 FLA (requires separate overload modules); provides location for field wiring of incoming power and pumps
4. Multi-tap transformer (208/230/460 VAC primary) provides 120 VAC control/alarm voltage
5. Class 10 ambient overload modules (purchased separately) provide overload-short circuit, phase failure-phase imbalance and ground fault protection (equipment protection only); accessible through inner door (two overload modules required, field installation required)
6. Terminal block provides connections for field wiring of transmitter, floats, auxiliary alarm contact, seal fail and thermal cutout for each pump
7. Ground lugs provide location for field wiring ground wires for incoming power and pumps
8. Lightning arrester provides surge suppression with immediate indication if replacement is required
9. Power supply provides 24 VDC to TPC-X controller and backup float(s)
10. Red LED beacon provides 360 degree visual check of alarm condition
11. Alarm horn provides audible warning of alarm condition (95 decibel rating) (Not shown)
12. Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
MODEL 32XR - Three phase, duplex alternating pump control with override. Simply add the appropriate overload modules.

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**Options Part #**

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<td>1036510</td>
<td>Overload Module, 3-12 FLA</td>
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<tr>
<td>1033806</td>
<td>Overload Module 8-32 FLA</td>
<td>$110.00</td>
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<td>1051382</td>
<td>Kit, Transmitter (SJE)/ 50 ft. MAP Float, with float bracket</td>
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<td>1051588</td>
<td>Kit, Transmitter (SJE)/(2) 50 ft. MAP Floats, with float bracket</td>
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<td>Kit, Transmitter (RAT)/(2) 50 ft. MAP Floats, with float bracket</td>
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Note: Each panel requires two overload modules. Field installation required.
Model 113 control panels provide a reliable means of controlling one 120, 208, or 240 VAC single phase pump requiring external starting components in water and sewage installations. Two control switches activate an IEC motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers and lift stations. This panel is available with the optional EZconnex® float connection system.

Note: SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranties of any type with respect to motor start kits supplied by a customer.

**COMPONENTS**

1. NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use); enclosure measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm)
2. IEC motor contactor controls pump by switching electrical lines
3. HOA switch for manual pump control (mounted on circuit board)
4. Green Pump Run indicator light (mounted on circuit board)
5. Float switch terminal block (mounted on circuit board)
6. Alarm and control fuses (mounted on circuit board)
7. Alarm and Control Power indicators (mounted on circuit board)
8. Pump input power and pump connection terminal block
9. Ground lugs
10. Circuit breaker (optional) provides pump disconnect and branch circuit protection
11. Capacitor start module - start/run capacitor kits available
12. Red LED beacon provides 360° visual check of alarm condition
13. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
14. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
15. Horn silence relay (mounted on circuit board)

Model 113 control panels cannot be returned. Please refer to the Product Return section.

Note: Other options available. Options selected may increase enclosure size and change component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.

Panel layout may vary with options.
MODEL 113 - Single phase, simplex capacitor start/run pump control.

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Start/run capacitor kits must be ordered separately (see Option 12 below or call factory).

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<td>1C</td>
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<tr>
<td>1E</td>
<td>Alarm Float</td>
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<tr>
<td>3A</td>
<td>Alarm Flasher</td>
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<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
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<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
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<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
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<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$43.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$175.00</td>
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<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$17.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$82.00</td>
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<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$71.00</td>
</tr>
<tr>
<td>9_A</td>
<td>Pump Overload - Specify Amperage After Number 9 Followed by Letter “A” Example: 912A = 12 Amp Pump</td>
<td>$66.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$109.00</td>
</tr>
<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X</td>
<td>$43.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lightning Arrestor (select pump circuit breaker)</td>
<td>$251.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must select Option 6A)</td>
<td>$324.00</td>
</tr>
<tr>
<td>12B</td>
<td>Customer Supplied Motor Start Components, Mounted in Enclosure by SJE Rhombus</td>
<td>$121.00</td>
</tr>
<tr>
<td>12C</td>
<td>Motor Start Component, Mounted and Supplied by SJE Rhombus</td>
<td>Call Factory</td>
</tr>
<tr>
<td>14B</td>
<td>Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON-position) (must select circuit breaker)</td>
<td>$491.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$524.00</td>
</tr>
</tbody>
</table>

- EZconnex® mechanically-activated, narrow angle float switches with quick release connections

California Prop 65 requires the following: WARNING Cancer and Reproductive Harm • www.P65Warnings.ca.gov
The Model 123 control panel is designed to control two 120, 208, or 240 VAC single phase pumps requiring external starting components in water and sewage installations. The controller is provided with a pump selector switch that can be set to alternate the pumps to equalize wear or to call either pump to activate first with the other pump to activate in lag condition. If an alarm occurs, the alarm activates the audible-visual system. The alarm conditions include: high water, float out-of-sequence, pump fail-to-run, seal failure (optional). Common applications include pump chambers and lift stations. This panel is available with the optional EZconnex® float connection system.

Other features include:
• Touch safe circuit board housing and low voltage 12 VDC float circuits
• Constant alarm (field programmable to flash)
• Alarm automatic reset (field programmable to manual alarm reset)
• Float out-of-sequence detection with automatic float reassignment
• Pump fail-to-run detection (field programmable to deactivate)
• Controller protected by four auto resettable fuses, no fuse replacement
• Three second lag pump delay time, prevents simultaneous pump start-up

Note: SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranties of any type with respect to motor start kits supplied by a customer.

COMPONENTS
1. Enclosure measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Circuit breakers (optional) provide pump disconnect and branch circuit protection
3. IEC motor contactors control pumps by switching electrical lines
4. Capacitor start modules - start/run capacitor kits available
5. Duplex controller provides pump control, alternation and alarm
   a. HOA switches for manual control Hand/Off/Automatic
   b. Control power ON/OFF switch
   c. Power ON green LED indicator
   d. Float status red LED indicators
   e. Float push-to-test buttons
   f. Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1 lag
   g. Auxiliary alarm contacts Form-C
   h. Terminal block: incoming power
   i. Terminal block: float switches
   j. Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)
6. Incoming pump power terminal block/pump terminal block
7. Ground lugs
8. Red LED beacon provides 360° visual check of alarm condition
9. Alarm horn provides audible alarm warning (83 to 85 decibel rating)
10. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared

Model 123 control panels cannot be returned. Please refer to the Product Return section.

Note: Other options available. Options selected may increase enclosure size and change component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
### MODEL 123 - Single phase, duplex capacitor start/run pump control.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio</td>
<td>$22.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual</td>
<td>$22.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$43.00</td>
</tr>
<tr>
<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$66.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$185.00</td>
</tr>
<tr>
<td>6A19B</td>
<td>Auxiliary Alarm Contact, Form C (included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>6A</td>
<td>Enclosure Rating</td>
<td>$0.00</td>
</tr>
<tr>
<td>6B</td>
<td>Pump Disconnects</td>
<td>$0.00</td>
</tr>
<tr>
<td>6C</td>
<td>Pump Full Load Amps</td>
<td>$0.00</td>
</tr>
<tr>
<td>6D</td>
<td>Float Switch Application</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

**Total Options**

### Start/run capacitor kits must be ordered separately (see Option 12 below or call factory).

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio</td>
<td>$22.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual</td>
<td>$22.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$43.00</td>
</tr>
<tr>
<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$66.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$185.00</td>
</tr>
<tr>
<td>6A19B</td>
<td>Auxiliary Alarm Contact, Form C (included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>6A</td>
<td>Enclosure Rating</td>
<td>$0.00</td>
</tr>
<tr>
<td>6B</td>
<td>Pump Disconnects</td>
<td>$0.00</td>
</tr>
<tr>
<td>6C</td>
<td>Pump Full Load Amps</td>
<td>$0.00</td>
</tr>
<tr>
<td>6D</td>
<td>Float Switch Application</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

**Total Options**

### ENCLOSURE UPSIZE:

If you selected one or more of the options, add a one-time $142.00 charge for enclosure upsize.

### CONTROL PANEL

- **Model 123 Base Price**: $1,526.00

### ALARM PACKAGE

- **Alarm Package**: $0.00

### ENCLOSURE RATING

- **Enclosure Rating**: $0.00

### STARTING DEVICE

- **Starting Device**: $0.00

### PUMP FULL LOAD AMPS

- **Pump Full Load Amps**: $0.00

### PUMP DISCONNECTS

- **No Pump Disconnect**: $0.00

### FLOAT SWITCH APPLICATION

- **EZconnex® Float Switch System (select Option 34 or 35 below)**: $84.00

### OPTIONS (LISTED BELOW)

- **Enclosure Upsize**: $142.00

### SEE PRICE BOOK FOR PRICING.

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**California Prop 65 requires the following: **WARNING Cancer and Reproductive Harm • www.P65Warnings.ca.gov**

**www.sjerhombus.com • email: customer.service@sjeinc.com**

**SJE RHOMBUS**

**B.50**

**SEE PRICE BOOK FOR PRICING.**
The Model 114 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 120, 208, or 240 VAC single phase pump. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits. This panel is available with optional EZconnex® float connection system.

**Note:** SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranties of any type with respect to motor start kits supplied by a customer.

**COMPONENTS**

1. Enclosure measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Intrinsically safe module limits the amount of energy to switches preventing ignition of flammable gases
3. IEC motor contactor controls pump by switching electrical lines
4. HOA switch for manual pump control (mounted on circuit board)
5. Green Pump Run indicator light (mounted on circuit board)
6. Alarm fuse (mounted on circuit board)
7. Control fuse (mounted on circuit board)
8. Control power indicator light (mounted on circuit board)
9. Alarm power indicator light (mounted on circuit board)
10. Input power terminal block
11. Ground lugs
12. Circuit breaker (optional) provides pump disconnect and branch circuit protection
13. Overload relay (optional) provides thermal overload protection for pump
14. Red LED beacon provides 360° visual check of alarm condition
15. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
16. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared.
17. Horn silence relay (mounted on circuit board)

Model 114 control panels cannot be returned. Please refer to the Product Return section.

**Note:** Other options available. Options selected may increase enclosure size and change component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
MODEL 114 - Single phase, simplex pump control with intrinsically safe circuits.

<table>
<thead>
<tr>
<th>OPTIONS (LISTED BELOW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>114 Single Phase Simplex Intrinsically Safe</td>
</tr>
</tbody>
</table>

**CONTROL PANEL**
- Options:
  - 0 Select Options or No Alarm Package
  - 1 Alarm Package (includes test/normal/silence switch, fuse, red light, & horn)

**ENCLOSURE RATING**
- Options:
  - W Weatherproof, NEMA 4X (engineered thermoplastic)

**STARTING DEVICE**
- Options:
  - 1 Magnetic Motor Contactor 120/208/240V
  - 9 Magnetic Motor Contactor 120V only

**PUMP FULL LOAD AMPS**
- Options:
  - 0 0 - 7 FLA
  - 1 7 - 15 FLA
  - 2 15 - 20 FLA
  - 3 20 - 30 FLA
  - 4 30 - 40 FLA

**PUMP DISCONNECTS**
- Options:
  - 0 No Pump Disconnect
  - 4 Circuit Breaker 120V (select STARTING DEVICE option 9 above)
  - H Pump Down (select Option 17 below)
  - L Pump Up (select Option 17 below)

**FLOAT SWITCH APPLICATION**
- Options:
  - E EZconnex® Float Switch System (select Option 33 or 34 below)
  - X No Floats

**PRODUCT PRICING WORKSHEET**

<table>
<thead>
<tr>
<th>Model 113 Base Price</th>
<th>$2,091.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm Package</td>
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<tr>
<td>Enclosure Rating</td>
<td></td>
</tr>
<tr>
<td>Starting Device</td>
<td></td>
</tr>
<tr>
<td>Pump Full Load Amps</td>
<td></td>
</tr>
<tr>
<td>Pump Disconnects</td>
<td></td>
</tr>
<tr>
<td>Float Switch Application</td>
<td></td>
</tr>
<tr>
<td>Total Options</td>
<td></td>
</tr>
<tr>
<td>TOTAL LIST PRICE</td>
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</table>

**OPTIONS**

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio (must select Option 1E if floats included)</td>
<td>$17.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select Option 1E if floats included)</td>
<td>$17.00</td>
</tr>
<tr>
<td>1E</td>
<td>Alarm Float</td>
<td>$28.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$49.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
</tr>
<tr>
<td>4B</td>
<td>Redundant Off Inductor &amp; Alarm (must also select Option 4A)</td>
<td>$262.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$43.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$175.00</td>
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<tr>
<td>5M</td>
<td>Seal Fail Alarm Activation (must select Option 5E)</td>
<td>$55.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$17.00</td>
</tr>
<tr>
<td>6G</td>
<td>Auxiliary Contact, Dry, Seal Fail, Normally Open (must select Option 5E)</td>
<td>$82.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$82.00</td>
</tr>
<tr>
<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$71.00</td>
</tr>
<tr>
<td>9A</td>
<td>Pump Overload - Specify Ampere After Number 9 Followed by Letter “A” Example: 912A = 12 Amp Pump</td>
<td>$66.00</td>
</tr>
<tr>
<td></td>
<td>0-25 FLA</td>
<td>$66.00</td>
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<tr>
<td></td>
<td>25-40 FLA</td>
<td>$109.00</td>
</tr>
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<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door) PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED</td>
<td>$185.00</td>
</tr>
<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X</td>
<td>$43.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lightning Arrestor (select pump circuit breaker)</td>
<td>$251.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must select Option 6A)</td>
<td>$324.00</td>
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</table>

**OPTIONS (continued)**

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12B</td>
<td>Customer Supplied Motor Start Components, Mounted in Enclosure by SJE Rhombus</td>
<td>$185.00</td>
</tr>
<tr>
<td>12C</td>
<td>Motor Start Component, Mounted and Supplied by SJE Rhombus</td>
<td>Call Factory</td>
</tr>
<tr>
<td>14B</td>
<td>Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON-position) (must select circuit breaker)</td>
<td>$311.00</td>
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<tr>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per float)</td>
<td>- $3.00</td>
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<tr>
<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per float)</td>
<td>- $2.00</td>
</tr>
<tr>
<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per float)</td>
<td>$5.00</td>
</tr>
<tr>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per float)</td>
<td>$15.00</td>
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<tr>
<td>17C</td>
<td>Sensor Float® / Internally Weighted (per float) - Mercury</td>
<td>$9.00</td>
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<tr>
<td>17D</td>
<td>Sensor Float® / Externally Weighted (per float) - Mercury</td>
<td>$11.00</td>
</tr>
<tr>
<td>17G</td>
<td>SJE MilliAmpMaster™ Tube Clamp (per float) - Mechanical</td>
<td>$0.00</td>
</tr>
<tr>
<td>17H</td>
<td>SJE MilliAmpMaster™ Pipe Clamp (per float) - Mechanical</td>
<td>$7.00</td>
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<tr>
<td>17J</td>
<td>Sensor Float® / Pipe Clamp (per float) - Mercury</td>
<td>$4.00</td>
</tr>
<tr>
<td>19T</td>
<td>TOA (Test/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
<td>$82.00</td>
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<tr>
<td>19U</td>
<td>HOA (Hand/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
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<tr>
<td>19X</td>
<td>Door Mounted Pump Run Indicator</td>
<td>$33.00</td>
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<tr>
<td>33B</td>
<td>EZconnex® 3-Port, 25, with 10' Flows (3) / Pipe Clamp</td>
<td>$276.00</td>
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<tr>
<td>33E</td>
<td>EZconnex® 3-Port, 50, with 10' Flows (3) / Pipe Clamp</td>
<td>$313.00</td>
</tr>
<tr>
<td>34B</td>
<td>EZconnex® 4-Port, 25, with 15' Flows (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
</tr>
<tr>
<td>34E</td>
<td>EZconnex® 4-Port, 50, with 20' Flows (3) / Pipe Clamp, Sealing Plug</td>
<td>$399.00</td>
</tr>
<tr>
<td>34G</td>
<td>EZconnex® 4-Port, 50, with 20' Flows (3) / Pipe Clamp, Sealing Plug</td>
<td>$419.00</td>
</tr>
</tbody>
</table>

- EZconnex® mechanically-activated, narrow angle float switches with quick release connections
The Model 124 control panel is designed to control two 120/208/240 VAC single phase pumps for applications requiring intrinsically safe float circuits. The controller is provided with a pump selector switch that can be set to alternate the pumps to equalize wear or to call either pump to activate first with the other pump to activate in lag condition. If an alarm occurs, the alarm activates the audible-visual system. The alarm conditions include: high water, float out-of-sequence, pump fail-to-run, seal failure (optional). Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits. This panel is available with the optional EZconnex® float connection system.

Other features include:
- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Constant alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection with automatic float reassignment
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses, no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up

Note: SJE Rhombus will warranty motor start kit components supplied by SJE Rhombus for one year. SJE Rhombus makes no warranties of any type with respect to motor start kits supplied by a customer.

**COMPONENTS**

1. Enclosure measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Intrinsically safe module limits the amount of energy to switches preventing ignition of flammable gasses
3. Circuit breakers (optional) provide pump disconnect and branch circuit protection
4. IEC motor contactors control pumps by switching electrical lines
5. Adjustable overloads (optional) provide thermal overload protection for pump (Not shown)
6. Duplex controller provides pump control, alternation and alarm
   - HDA switches for manual control Hand/Off/Automatic
   - Control power ON/OFF switch
   - Power ON green LED indicator
   - Float status red LED indicators
   - Float push-to-test buttons
   - Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1 lag
   - Auxiliary alarm contacts Form-C
   - Terminal block: incoming power
   - Terminal block: float switches
   - Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)
7. Input power terminal block
8. Ground lugs
9. Red LED beacon provides 360° visual check of alarm condition
10. Alarm horn provides audible alarm warning (83 to 85 decibel rating)
11. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared

Model 124 control panels cannot be returned. Please refer to the Product Return section.

Note: Other options available. Options selected may increase enclosure size and change component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
**MODEL 124** - Single phase, duplex alternating pump control with intrinsically safe circuits.

### Single Phase Duplex Intrinsically Safe (includes Options 6A and 19B as standard) $2,805.00

<table>
<thead>
<tr>
<th>Control Panel</th>
<th>Alarm Package</th>
<th>Enclosure Rating</th>
<th>Starting Device</th>
<th>Pump Full Load Amps</th>
<th>Pump Disconnects</th>
<th>Float Switch Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 124</td>
<td>✓ 0</td>
<td>✓ W</td>
<td>1</td>
<td>0 - 7 FLA</td>
<td>4</td>
<td>H</td>
</tr>
<tr>
<td></td>
<td>Select Options or No Alarm Package</td>
<td>Weatherproof, NEMA 4X (engineered thermoplastic)</td>
<td>Magnetic Motor Contactor 120V/208/240V</td>
<td>Base</td>
<td>Pump Down (select Option 17 below)</td>
<td>Pump Down (select Option 17 below)</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>9</td>
<td>7 - 15 FLA</td>
<td>1</td>
<td>L</td>
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<tr>
<td></td>
<td>Alarm Package (includes test/normal/silence switch, red light, &amp; horn)</td>
<td></td>
<td>Magnetic Motor Contactor 120V only</td>
<td>Base</td>
<td>Pump Up (select Option 17 below)</td>
<td>Pump Down (select Option 17 below)</td>
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<tr>
<td></td>
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<td>0</td>
<td>15 - 20 FLA</td>
<td>4</td>
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<tr>
<td></td>
<td>No Pump Disconnect</td>
<td></td>
<td>Base</td>
<td>Redundant Off Float (must also select Option 4A)</td>
<td>EZconnex® Float Switch System (select Option 34 or 35 below)</td>
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<tr>
<td></td>
<td>✓ 3</td>
<td></td>
<td>3</td>
<td>20 - 30 FLA</td>
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<tr>
<td></td>
<td>30 - 40 FLA</td>
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<td>No Floats</td>
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<tr>
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<td>✓ 5</td>
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<td>Circuit Breaker 120V (select STARTING DEVICE option 9 above)</td>
<td>No Pump Disconnect</td>
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</tr>
<tr>
<td></td>
<td>Red Seal Fail Alarm Activation (must select Option 5E)</td>
<td></td>
<td>Base</td>
<td>Circuit Breaker 120V/208/240V (select STARTING DEVICE option 1 above)</td>
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<tr>
<td></td>
<td>✓ 6</td>
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<td>✓</td>
<td>Through Door Mounted $164.00</td>
<td>Option 6A (Included as standard)</td>
<td>-circle</td>
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<tr>
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<td>Red Beacon Only / No Audio (must select &quot;O&quot; for ALARM PACKAGE)</td>
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<td>Base</td>
<td>Through Door Mounted</td>
<td>Option 6A (Included as standard)</td>
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<tr>
<td></td>
<td>✓ 0</td>
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<td>$14B Options (listed below)</td>
<td>Main Disconnect (rotary style, mounted</td>
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<tr>
<td></td>
<td>100 Amp</td>
<td></td>
<td>✓</td>
<td>$19B Options (listed below)</td>
<td>through door, non-fused, padlockable in</td>
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<td></td>
<td>Manual Alarm Reset (Factory Programmed)</td>
<td></td>
<td>Base</td>
<td>the OFF position, door interlock in the ON-position (must select circuit breaker)</td>
<td>Lead Lag Selector Switch (included as standard)</td>
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<tr>
<td></td>
<td>✓ 4</td>
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<td>4</td>
<td>0/20 FLA (total of both pumps)</td>
<td>$333.00</td>
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<tr>
<td></td>
<td>Redundant Off Indicators &amp; Alarm (must also select Option 4A)</td>
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<td>Base</td>
<td>20/80 FLA (total of both pumps)</td>
<td>$377.00</td>
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<tr>
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<td>✓ 3</td>
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<td>$146 Options (listed below)</td>
<td>Redundant Off Float</td>
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<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td></td>
<td>Base</td>
<td>Thermal Cutoff/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
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<tr>
<td></td>
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<td>$6A Options (listed below)</td>
<td>Sealed Seal Fail Circuit &amp; Red Indicator (2 wire)</td>
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</tr>
<tr>
<td></td>
<td>Alarm Flasher (Factory Programmed)</td>
<td></td>
<td>Base</td>
<td>$185.00</td>
<td>Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✓ 3</td>
<td></td>
<td>✓</td>
<td>$6E Options (listed below)</td>
<td>Sealed Seal Fail Alarm Activation (must select Option 5E)</td>
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</tr>
<tr>
<td></td>
<td>Redunant Off Float (must also select Option 4A &amp; Option 17)</td>
<td></td>
<td>Base</td>
<td>$36.00</td>
<td>Base</td>
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<tr>
<td></td>
<td>✓ 4</td>
<td></td>
<td>✓</td>
<td>$5A Options (listed below)</td>
<td>Main Disconnect (must select Option 6A)</td>
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<tr>
<td></td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td></td>
<td>Base</td>
<td>$36.00</td>
<td>Base</td>
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</tr>
<tr>
<td></td>
<td>✓ 3</td>
<td></td>
<td>✓</td>
<td>$5B Options (listed below)</td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td>Base</td>
</tr>
<tr>
<td></td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td></td>
<td>Base</td>
<td>$36.00</td>
<td>Base</td>
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</tr>
<tr>
<td></td>
<td>✓ 4</td>
<td></td>
<td>✓</td>
<td>$5C Options (listed below)</td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td>Base</td>
</tr>
<tr>
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<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td></td>
<td>Base</td>
<td>$36.00</td>
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**TOTAL LIST PRICE** $2,805.00

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**OPTIONS (LISTED BELOW)**

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<thead>
<tr>
<th>Options</th>
<th>Description</th>
<th>List Price</th>
</tr>
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<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio (must select &quot;O&quot; for ALARM PACKAGE)</td>
<td>$22.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select &quot;O&quot; for ALARM PACKAGE)</td>
<td>$22.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 40 if floats are required)</td>
<td>$224.00</td>
</tr>
<tr>
<td>4B</td>
<td>Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$46.00</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A &amp; Option 17)</td>
<td>$28.00</td>
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<tr>
<td>5A</td>
<td>Thermal Cutoff/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Sealed Seal Fail Circuit &amp; Red Indicator (2 wire)</td>
<td>$185.00</td>
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<tr>
<td>5M</td>
<td>Sealed Seal Fail Alarm Activation (must select Option 5E)</td>
<td>$36.00</td>
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<tr>
<td>✓ 6A</td>
<td>Auxiliary Contact, Dry, Seal Fail, Normally Open (must select Option 5E)</td>
<td>$0.00</td>
</tr>
<tr>
<td>6G</td>
<td>Auxiliary Contact, Dry, Seal Fail, Normally Open (must select Option 5E)</td>
<td>$164.00</td>
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<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$121.00</td>
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<tr>
<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$98.00</td>
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<tr>
<td>9_A</td>
<td>Pump Overload - Specify Amperage After Number 9 Followed by Letter &quot;A&quot;</td>
<td>$131.00</td>
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<tr>
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<td>Example: 912A = 12 Amp Pump</td>
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<tr>
<td></td>
<td>0-25 FLA</td>
<td>$131.00</td>
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<td></td>
<td>25-40 FLA</td>
<td>$218.00</td>
</tr>
<tr>
<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front Lights and switches mounted on inner door</td>
<td>$207.00</td>
</tr>
<tr>
<td></td>
<td>PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED</td>
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<tr>
<td>10E</td>
<td>Lockable Latch</td>
<td>$43.00</td>
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<tr>
<td>10F</td>
<td>Lightning Arrestor (must select Pump Circuit Breaker)</td>
<td>$251.00</td>
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<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel</td>
<td>$101.00</td>
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<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel</td>
<td>$324.00</td>
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<tr>
<td>12B</td>
<td>Customer Supplied Motor Start Components, Mounted in Enclosure by SJE Rhombus</td>
<td>$496.00</td>
</tr>
<tr>
<td>12C</td>
<td>Motor Start Component, Mounted and Supplied by SJE Rhombus</td>
<td>Call Factory</td>
</tr>
</tbody>
</table>

- EZconnex® mechanically-activated, narrow angle float switches with quick release connections

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**WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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California Prop 65 requires the following: www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
The Model 314 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 208/240/480 VAC three phase pump. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits. This panel is available with optional EZconnex® float connection system.

**COMPONENTS**

1. Enclosure measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use)
2. Intrinsically safe module limits the amount of energy to switches preventing ignition of flammable gases
3. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect
4. IEC motor contactor controls pump by switching electrical lines
5. HOA switch for manual pump control (mounted on circuit board)
6. Multi-tap transformer (208/240/480 VAC primary) provides 120 VAC control/alarm voltage or 600 VAC primary transformer
7. Green Pump Run indicator light (mounted on circuit board)
8. Alarm fuse (mounted on circuit board)
9. Control fuse (mounted on circuit board)
10. Input power terminal block
11. Ground lugs
12. Control power indicator light (mounted on circuit board)
13. Alarm power indicator light (mounted on circuit board)
14. Red LED beacon provides 360° visual check of alarm condition
15. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
16. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared
17. Horn silence relay (mounted on circuit board)

Model 314 control panels cannot be returned. Please refer to the Product Return section.

Note: Other options available. Options selected may increase enclosure size and change component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.
### MODEL 314
Three phase, simplex pump control with intrinsically safe circuits.

<table>
<thead>
<tr>
<th>CONTROL PANEL</th>
<th>ALARM PACKAGE</th>
<th>ENCLOSURE RATING</th>
<th>PUMP FULL LOAD AMPS</th>
<th>FLOAT SWITCH APPLICATION</th>
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#### PRICING WORKSHEET

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<th>PACKAGE</th>
<th>DESCRIPTION</th>
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<td>ALARM</td>
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<tr>
<td>ENCLOSURE</td>
<td>RATING</td>
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<tr>
<td>PUMP</td>
<td>FULL LOAD AMPS</td>
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<tr>
<td>FLOAT</td>
<td>SWITCH</td>
<td>APPLICATION</td>
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#### MODEL 314 Base Price
$2,991.00

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<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
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<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio (must select Option 1E if floats included)</td>
<td>$17.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual (must select Option 1E if floats included)</td>
<td>$17.00</td>
</tr>
<tr>
<td>1E</td>
<td>Alarm Float</td>
<td>$28.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher</td>
<td>$49.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset</td>
<td>$98.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
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<tr>
<td>4B</td>
<td>Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$240.00</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
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<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$43.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$175.00</td>
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<tr>
<td>5M</td>
<td>Seal Failure Alarm Activation (must select Option 5E)</td>
<td>$66.00</td>
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<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C</td>
<td>$17.00</td>
</tr>
<tr>
<td>6G</td>
<td>Auxiliary Contact, Dry, Seal Fail, Normally Open (must select Option 5E)</td>
<td>$82.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
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<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$71.00</td>
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<tr>
<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door)</td>
<td>$185.00</td>
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<tr>
<td>10E</td>
<td>Lockable Latch</td>
<td>$43.00</td>
</tr>
<tr>
<td>10G</td>
<td>Lightning Arrester</td>
<td>$218.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must select Option 6A)</td>
<td>$324.00</td>
</tr>
</tbody>
</table>

#### Additional Information
- **EZconnex®** mechanically-activated, narrow angle float switches with quick release connections.
- California Prop 65 requires the following: **WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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**See Price Book for Pricing.**
The Model 324 control panel is designed to control two 208/240/480 VAC three phase pumps for applications requiring intrinsically safe float circuits. The controller is provided with a pump selector switch that can be set to alternate the pumps to equalize wear or to call either pump to activate first with the other pump to activate in lag condition. If an alarm occurs, the alarm activates the audible-visual system. The alarm conditions include: high water, float out-of-sequence, pump fail-to-run, seal failure (optional). Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits. This panel is available with optional EZconnex® float connection system.

Other features include:
- Touch safe circuit board housing and low voltage float circuits
- Constant alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection with automatic float reassignment
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses, no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up

**COMPONENTS**

1. Enclosure measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Intrinsically safe module limits the amount of energy to switches preventing ignition of flammable gases
3. Motor protective switches provide adjustable overload, branch circuit protection and pump disconnect
4. IEC motor contactors control pumps by switching electrical lines
5. Multi-tap transformer (208/240/480 VAC primary or 600 VAC primary transformer) provides 120 VAC control/alarm voltage
6. Duplex controller provides pump control, alternation and alarm
   - HGA switches for manual control Hand/Off/Automatic
   - Control power ON/OFF switch
   - Power ON green LED indicator
   - Float status red LED indicators
   - Float push-to-test buttons
   - Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1 lag
   - Auxiliary alarm contacts Form-C
   - Terminal block: incoming power
   - Terminal block: float switches
   - Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)
7. Ground lugs
8. Red LED beacon provides 360° visual check of alarm condition
9. Alarm horn provides audible alarm warning (83 to 85 decibel rating)
10. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared

Model 324 control panels cannot be returned. Please refer to the Product Return section.

*Note: Other options available. Options selected may increase enclosure size and change component layout.*

*Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.*
### OPTIONS (LISTED BELOW)

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red Beacon Only / No Audio</td>
<td>$22.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn Only / No Visual</td>
<td>$22.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm Flasher (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual Alarm Reset (Factory Programmed)</td>
<td>$36.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant Off (must also select Option 4D if floats are required)</td>
<td>$224.00</td>
</tr>
<tr>
<td>4B</td>
<td>Redundant Off Indicator &amp; Alarm (must also select Option 4A)</td>
<td>$66.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant Off Float (must also select Option 4A and Option 17)</td>
<td>$28.00</td>
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<tr>
<td>5A</td>
<td>Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)</td>
<td>$86.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal Failure Circuit &amp; Red Indicator (2 wire)</td>
<td>$185.00</td>
</tr>
<tr>
<td>5M</td>
<td>Seal Failure Alarm Activation (must selection Option 5E)</td>
<td>$36.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form C (Included as standard)</td>
<td>$0.00</td>
</tr>
<tr>
<td>6G</td>
<td>Auxiliary Contact, Dry, Seal Fail, Normally Open (must select Option 5E)</td>
<td>$164.00</td>
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<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$121.00</td>
</tr>
<tr>
<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$98.00</td>
</tr>
<tr>
<td>10A</td>
<td>Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door)</td>
<td>$207.00</td>
</tr>
<tr>
<td>10E</td>
<td>Lockable Latch</td>
<td>$43.00</td>
</tr>
<tr>
<td>10G</td>
<td>Lightning Arrester</td>
<td>$218.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
</tr>
<tr>
<td>11C</td>
<td>Additional NEMA 1 Remote Alarm Panel (must select Option 6A)</td>
<td>$101.00</td>
</tr>
<tr>
<td>11D</td>
<td>Additional NEMA 4X Remote Alarm Panel (must select Option 6A)</td>
<td>$324.00</td>
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<tr>
<td>14B</td>
<td>Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON position)</td>
<td>$311.00</td>
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<tr>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per float)</td>
<td>$3.00</td>
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<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per float)</td>
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<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per float)</td>
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<tr>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per float)</td>
<td>$15.00</td>
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<tr>
<td>17C</td>
<td>Sensor Float® / Internally Weighted (per Float) - Mercury</td>
<td>$9.00</td>
</tr>
<tr>
<td>17D</td>
<td>Sensor Float® / Externally Weighted (per Float) - Mechanical</td>
<td>$11.00</td>
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<tr>
<td>17G</td>
<td>SJE MilliAmpMaster® / Pipe Clamp (per Float) - Mechanical</td>
<td>$0.00</td>
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<tr>
<td>17H</td>
<td>SJE MilliAmpMaster® / Pipe Clamp (per Float) - Mechanical</td>
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<tr>
<td>17J</td>
<td>Sensor Float® / Pipe Clamp (per Float) - Mercury</td>
<td>$4.00</td>
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<td>19B</td>
<td>Lead Lag Selector Switch (included as standard)</td>
<td>$0.00</td>
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<tr>
<td>19F</td>
<td>Fourth Float to Separate Alarm Function from Lag</td>
<td>$28.00</td>
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<td>19T</td>
<td>TOA (Test/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
<td>$175.00</td>
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<tr>
<td>19U</td>
<td>HOA (Hand/Off/Automatic) Switches and Pump Run Lights Through Door Mounted</td>
<td>$164.00</td>
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<tr>
<td>19X</td>
<td>Door Mounted Pump Run Indicator</td>
<td>$43.00</td>
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<td>34B</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$353.00</td>
</tr>
<tr>
<td>34C</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp, Sealing Plug</td>
<td>$399.00</td>
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<tr>
<td>34D</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (3) / Pipe Clamp, Sealing Plug</td>
<td>$373.00</td>
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<tr>
<td>34E</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp, Sealing Plug</td>
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</tr>
<tr>
<td>35B</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp</td>
<td>$390.00</td>
</tr>
<tr>
<td>35C</td>
<td>EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp</td>
<td>$437.00</td>
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<tr>
<td>35D</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp</td>
<td>$417.00</td>
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<tr>
<td>35E</td>
<td>EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp</td>
<td>$464.00</td>
</tr>
</tbody>
</table>

**EZconnex®** mechanically-activated, narrow angle float switches with quick release connections.

**ENCLOSURE UPGRADE:**
If you selected one or more of the options, add a one-time $175.00 charge for enclosure upsize.

**TOTAL LIST PRICE**

$3,534.00
The Model TD control panel provides a reliable means of controlling one single phase pump in onsite septic installations. A programmable timer activates a magnetic motor contactor to turn the pump on and off. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audio/visual alarm system indicating a high liquid level. Common applications include sand filter systems, pressure distribution systems, mound systems, or any application requiring a timed dose. This panel is available with optional EZconnex® float connection system.

**COMPONENTS**

1. Enclosure measures 10 x 8 x 4 inches (25.40 x 20.32 x 10.16 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)
2. Magnetic motor contactor controls pump by switching electrical lines
3. HOA switch for manual pump control
4. Control fuse
5. Alarm fuse
6. Float switch terminal block
7. Incoming power terminal block
8. Programmable timer with separate variable controls allows for setting the on and off times from .1 seconds to 10 hours
9. Circuit breaker provides pump disconnect and branch circuit protection
10. Spare fuse
11. Backplate label includes diagram of float, pump, and power connections
12. Ground lug
13. Red LED beacon provides 360° visual check of alarm condition
14. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)
15. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)
16. Horn silence relay (Not shown - mounted under bracket)

**OPTIONAL FEATURE**

- 34” (86.36cm) Panel Mounting Post (Factory Installed). Includes Duplex Installation Kit (Enclosure upsized to 10” x 8” x 6” (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14” x 12” x 6” (35.56 x 30.48 x 15.24 cm)

**Note:** Other options available.

**Note:** Timer Installation Label and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.
## MODEL TD - Single phase, simplex timed dosing pump control.

### CONTROL PANEL
- TD: Single Phase Simplex Timed Dosing

### ALARM PACKAGE
- **0**: Select Options (select Option 1F below)
- **1**: Alarm Package (includes test/normal/silence switch, red light, & horn)

### ENCLOSURE RATING
- **W**: Weatherproof, NEMA 4X (engineered thermoplastic)

### STARTING DEVICE
- **1**: Magnetic Motor Contactor 120/208/240V
- **9**: Magnetic Motor Contactor 120V only

### PUMP FULL LOAD AMPS
- **0**: 0 - 7 FLA
- **1**: 7 - 15 FLA
- **2**: 15 - 20 FLA

### PUMP DISCONNECTS
- **4**: Circuit Breaker

### FLOAT SWITCH APPLICATION
- **H**: Pump Down - 20' Low Level Cutout (select Option 17 or 21 below)
- **E**: EZconnex® Float Switch System (select Option 33, 35 or 36 below)
- **X**: No Floats

### PRICING WORKSHEET

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F</td>
<td>Door Mounted Alarm Indicator with Horn and Test/Normal/Silence Switch (must select “0” for ALARM PACKAGE)</td>
<td>$33.00</td>
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<tr>
<td>4B</td>
<td>Red Redundant Off Indicator &amp; Alarm (must also select Option 4D if floats are required)</td>
<td>$60.00</td>
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<tr>
<td>4D</td>
<td>Redundant Off Float</td>
<td>$28.00</td>
</tr>
<tr>
<td>4E</td>
<td>Redundant Off Float, Alarm Activation (20’ SJE PumpMaster® SPDT)</td>
<td>$43.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary Alarm Contact, Form A</td>
<td>$43.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$60.00</td>
</tr>
<tr>
<td>8C</td>
<td>Event (Cycle) Counter</td>
<td>$60.00</td>
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<tr>
<td>10E</td>
<td>Lockable Latch</td>
<td>$22.00</td>
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<tr>
<td>10K</td>
<td>Anti-condensation Heater</td>
<td>$109.00</td>
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<tr>
<td>10P</td>
<td>Panel Mounting Post - Factory Installed, Includes Duplex Installation Kit (Enclosure Upsized to 10x8x6, Max 14x12x6)</td>
<td>$155.00</td>
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### OPTIONS LISTED BELOW

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<tr>
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<tr>
<td>16A</td>
<td>10’ Cord in Lieu of 20’ Cord (per float)</td>
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<td>16B</td>
<td>15’ Cord in Lieu of 20’ Cord (per float)</td>
<td>$2.00</td>
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<td>16C</td>
<td>30’ Cord in Lieu of 20’ Cord (per float)</td>
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<td>16D</td>
<td>40’ Cord in Lieu of 20’ Cord (per float)</td>
<td>$15.00</td>
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<tr>
<td>17E</td>
<td>Sensor Float® Mini - Redundant Off, High Level Alarm (per Float) - Mercury</td>
<td>$4.00</td>
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<tr>
<td>18A</td>
<td>Timer Override Float (20’ SJE PumpMaster®) - Mechanical</td>
<td>$43.00</td>
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<tr>
<td>19X</td>
<td>Door Mounted Pump Run Indicator</td>
<td>$33.00</td>
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<tr>
<td>21E</td>
<td>SJE PumpMaster® - Redundant Off, High Level Alarm (per float) - Mechanical</td>
<td>$4.00</td>
</tr>
<tr>
<td>33U</td>
<td>EZconnex® 3-Port, 50’, with 10’ Floats (3) / Pipe Clamp</td>
<td>$313.00</td>
</tr>
<tr>
<td>35U</td>
<td>EZconnex® 4-Port, 50’, with 10’ Floats (4) / Pipe Clamp</td>
<td>$437.00</td>
</tr>
<tr>
<td>36U</td>
<td>EZconnex® 3-Port, 50’, with 10’ Floats (2) / Pipe Clamp, Sealing Plug</td>
<td>$276.00</td>
</tr>
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Model TD Base Price: **$936.00**

- **Alarm Package**: __________
- **Enclosure Rating**: __________
- **Starting Device**: __________
- **Pump Full Load Amps**: __________
- **Float Switch Application**: __________
- **Total Options**: __________
- **TOTAL LIST PRICE**: __________

---

See price book for pricing.
The PS11 (120V) / PS12 (240V) control panel provides a reliable means of controlling both pump chamber and sand filter pumps in an onsite septic installation.

**COMPONENTS**

1. Enclosure measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic) with removable mounting feet for indoor or outdoor use
2. Pump chamber magnetic motor contactor controls pump chamber pump by switching electrical lines
3. Sand filter magnetic motor contactor controls sand filter pump by switching electrical lines
4. Alarm/control fuse
5. Float switch terminal block
6. Control/pump power terminal block
7. Programmable timer features separate variable controls to allow for pump chamber pump on/off time settings from .1 seconds to 10 hours
8. Pump chamber circuit breaker provides pump chamber disconnect and provides branch circuit protection
9. Sand filter circuit breaker provides sand filter pump disconnect and provides branch circuit protection
10. HOA switches provide manual pump control
11. Ground lugs
12. Spare fuse
13. Red LED beacon provides 360° visual check of alarm condition
14. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating) (Not shown)
15. Exterior alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)
16. Horn silence relay (Not shown - mounted under bracket)
17. Elapsed time meter
18. Event counter

**Note:** Timer Installation Label and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.
MODEL PS11/PS12 - Single phase, duplex motor contactor control/programmable timed dosing control.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
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<tbody>
<tr>
<td>1006586</td>
<td>PS11 - 120V</td>
<td>26 lbs.</td>
<td>$1,442.00</td>
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<tr>
<td>1007395</td>
<td>PS12 - 240V</td>
<td>26 lbs.</td>
<td>$1,845.00</td>
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**SPECIFICATIONS**

**VOLTAGE:** 120 VAC (PS11) or 240 VAC (PS12)

**ENCLOSURE:** 14 x 10 x 6 inch (35.56 x 30.48 x 15.24 cm) NEMA 4X weatherproof thermoplastic with hinged door.

**BRANCH CIRCUIT PROTECTION:** Circuit breakers for pump chamber and sand filter pumps.
This junction box provides a convenient location to connect all wiring required for a typical pumping station installation. The junction box employs a receptacle to accept a 120 VAC or 230 VAC piggy-back plug and a pump plug.

The JB Plugger also features an easy-to-use terminal strip which can be used for connecting an alarm system in the junction box.

The JB Plugger package ensures a liquid-tight seal and strain relief for the cable entering the junction box from the pumping station.

**FEATURES**

- NEMA 4X enclosure with hinged door
- Separate alarm and pump control circuit
- Receptacle for pump and pump switch (120V or 230V)
- Tank Alert® AB alarm system provides high or low level alarm (optional)
- Pump float provides pump control (optional)
- Control float provides alarm activation (optional)
- Riser extension coupling and washers
- Custom engineered liquid-tight cable seal
- Strain relief for pump and float cords provided by cord seal
- Electrical conduit hub
- Terminal strip for use with alarm system
JB PLUGGER - Easy-to-install junction box provides convenient connection for use with one single phase pump in effluent and sewage chambers.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>List Price</th>
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</thead>
<tbody>
<tr>
<td>1007936*</td>
<td>JBP No Alarm or Floats</td>
<td>3.5 lbs.</td>
<td>$242.00</td>
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<tr>
<td>1011917</td>
<td>JBP Tank Alert® AB &amp; 15' SJE SignalMaster®</td>
<td>6.36 lbs.</td>
<td>$382.00</td>
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<tr>
<td>1019753</td>
<td>JBP Tank Alert® AB &amp; 15' SJE PumpMaster® &amp; 15' SJE SignalMaster®</td>
<td>7.81 lbs.</td>
<td>$458.00</td>
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<tr>
<td>1022723</td>
<td>JBP Tank Alert® AB &amp; 15' Double Float® Master &amp; 15' SJE SignalMaster®</td>
<td>9.4 lbs.</td>
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<table>
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<tr>
<td>1007937</td>
<td>JBP No Alarm or Floats</td>
<td>3.5 lbs.</td>
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<td>1023120</td>
<td>JBP Tank Alert® AB &amp; 15' SJE SignalMaster®</td>
<td>6.36 lbs.</td>
<td>$390.00</td>
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<tr>
<td>1019754</td>
<td>JBP Tank Alert® AB &amp; 15' SJE PumpMaster® &amp; 15' SJE SignalMaster®</td>
<td>7.81 lbs.</td>
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<tr>
<td>1023121</td>
<td>JBP Tank Alert® AB &amp; 15' Double Float® Master &amp; 15' SJE SignalMaster®</td>
<td>9.4 lbs.</td>
<td>$547.00</td>
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</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**SPECIFICATIONS**

**VOLTAGE:** 120 VAC or 230 VAC

**ENCLOSURE:** 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm)
NEMA 4X weatherproof thermoplastic with hinged door.

**SEPARATE ALARM AND PUMP CONTROL SWITCH**

**RECEPTACLE:** 120 VAC type 5-15; 230 VAC type 6-15

**RISER EXTENSION COUPLING AND WASHERS**

**CORD SEAL:** Custom engineered to provide liquid tight seal and provide strain relief for pump and float cords.

**ELECTRICAL CONDUIT HUB**
The Quick Post Plus™ system features an 8 x 8 x 4 inch enclosure to connect alarm wiring and incoming power. The provided pump switch receptacle plug pigtail is available in 120 VAC or 230 VAC to accept a piggy-back plug, pump plug, and optional elapsed time meter (ETM). The provided factory-installed 22” weatherproof post features access door for easy wiring. The system also includes the riser extension conduit with stainless steel compression nuts to connect the mounting post to the riser, two cord seals, tank alarm, and SJE SignalMaster® control switch.

The post can be mounted directly into the ground, over 4” x 4” (10.16 x 10.16 cm) post or over conduit.

**FEATURES**

- NEMA 4X enclosure with hinged door
- Factory installed mounting post with access cover for easy wiring
- Receptacle pigtail (120 VAC or 230 VAC) and wiring terminal blocks for easy field connections
- Separate alarm and pump control circuit
- Riser extension 2.5 inch (6.35 cm) diameter coupling conduit to accommodate float piggyback plug
- Riser extension stainless steel compression nuts provide easy adjustability and strong connection
- Strain relief for pump and float cords, provided by cord seals
- Indoor Tank Alert® AB alarm provides high level alarm notification
- SJE SignalMaster® control switch provides alarm activation

**OPTIONS**

- Elapsed Timer Meter provides pump operation timer
- The Tank Alert® AB DUO alarm system can serve as high or low level alarm or filter alarm depending on the float switch model used
- Xpert Alert® WiFi alarm provides remote alarm notification

Panel layout may vary with options.


**QUICK POST PLUS™ SYSTEM WITH INDOOR ALARM** - Easy to install Quick Post Plus™ system with indoor alarm provides convenient wiring connection and system monitoring for pump station applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
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<th>List Price</th>
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<tbody>
<tr>
<td>1053759</td>
<td>120V QPP1, Tank Alert AB, SJE SignalMaster®</td>
<td>5.9 lbs</td>
<td>$494.00</td>
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<tr>
<td>1053760</td>
<td>120V QPP1E, Elapsed Timer Meter, Tank Alert AB, SJE SignalMaster®</td>
<td>6.0 lbs</td>
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<tr>
<td>1053761</td>
<td>120V QPP1DE, Elapsed Timer Meter, Tank Alert AB DUO, SJE SignalMaster®</td>
<td>6.0 lbs</td>
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<tr>
<td>1059013</td>
<td>120V QPP1WiFi, Xpert Alert® WiFi, SJE SignalMaster®</td>
<td>5.91 lbs</td>
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<table>
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<tbody>
<tr>
<td>1053762</td>
<td>230V QPP2, Tank Alert AB, SJE SignalMaster®</td>
<td>5.9 lbs</td>
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<tr>
<td>1053763</td>
<td>230V QPP2E, Elapsed Timer Meter, Tank Alert AB, SJE SignalMaster®</td>
<td>6.0 lbs</td>
<td>$615.00</td>
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<tr>
<td>1053764</td>
<td>230V QPP2DE, Elapsed Timer Meter, Tank Alert AB DUO, SJE SignalMaster®</td>
<td>6.0 lbs</td>
<td>$683.00</td>
</tr>
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</table>

**SPECIFICATIONS**

- **VOLTAGE:** 120 VAC or 230 VAC; 50/60hz
- **ENCLOSURE:** 8” x 8” x 4” (20.32 x 20.32 x 10.16 cm) NEMA 4X ultraviolet stabilized thermoplastic
- **RECEPTACLE PIGTAIL:** 120 VAC NEMA 5-15R or 230 VAC NEMA 6-15R; 12.0” (30.48 cm) SJTOW cable
- **MOUNTING POST:** 22” x 7” x 6” (55.88 x 17.78 x 15.24 cm) polyethylene weatherproof gray engineered thermal plastic with 3” x 3” (7.62 x 7.62 cm) access cover
- **RISER EXTENSION KIT:** 2.5” (6.35 cm) diameter schedule 40 conduit, 6’ (15.24 cm) in length; (2) stainless steel compression nuts
- **LIQUID TIGHT CORD SEAL:** Seal - neoprene; washers, nuts and bolts - stainless steel
- **FLOAT SWITCH:** SJE SignalMaster® control switch with mounting clamp
- **ALARMS:** Indoor Tank Alert® AB alarm system, Tank Alert® AB DUO alarm system, or Xpert Alert® WiFi indoor alarm system

See Price Book for Pricing.
The Quick Post Plus™ outdoor system features an 8 x 8 x 4 inch enclosure with integral alarm and terminals to connect alarm and incoming power. The provided receptacle plug pigtail is available in 120 VAC or 230 VAC to accept a pump switch piggy-back plug, pump plug, and optional elapsed time meter (ETM). The provided factory-installed 22” weatherproof post features access door for easy wiring. The system also includes the riser extension conduit with stainless steel compression nuts to connect the mounting post to the riser, two cord seals, and SJE SignalMaster® control switch.

The post can be mounted directly into the ground, over 4 x 4 inch (10.16 x 10.16 cm) post or over conduit.

**FEATURES**

- NEMA 4X enclosure with hinged door
- Factory installed mounting post with access cover for easy wiring
- Receptacle pigtail (120 VAC or 230 VAC) and wiring terminal blocks for easy field connections
- Separate alarm and pump control circuit
- Riser extension 2.5 inch (6.35 cm) diameter coupling conduit to accommodate float piggy-back plug
- Riser extension stainless steel compression nuts provide easy adjustability and strong connection
- Strain relief for pump and float cords, provided by cord seals
- Integrated alarm, beacon, horn, and test/silence switch to provide high level alarm notification
- SJE SignalMaster® control switch provides alarm activation

**OPTIONS**

- Elapsed Timer Meter provides pump operation timer
- DUO alarm input to provide high and low level alarm or filter alarm depending on the float switch model used
QUICK POST PLUS™ OUTDOOR SYSTEM - Easy to install Quick Post Plus™ outdoor system provides convenient wiring connection and system monitoring for pump station applications.

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<td>5.4 lbs.</td>
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<td>1053766</td>
<td>120V QPP1WE, Elapsed Timer Meter, Integral Alarm, SJE SignalMaster®</td>
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<td>1053767</td>
<td>120V QPP1WDE, Elapsed Timer Meter, DUO Alarm, SJE SignalMaster®</td>
<td>5.5 lbs.</td>
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<table>
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<tbody>
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<td>1053768</td>
<td>230V QPP2W, Integral Alarm, SJE SignalMaster®</td>
<td>5.4 lbs.</td>
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<td>1053769</td>
<td>230V QPP2WE, Elapsed Timer Meter, Integral Alarm, SJE SignalMaster®</td>
<td>5.5 lbs.</td>
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<td>1053770</td>
<td>230V QPP2WDE, Elapsed Timer Meter, DUO Alarm, SJE SignalMaster®</td>
<td>5.5 lbs.</td>
<td>$853.00</td>
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SPECIFICATIONS

VOLTAGE: 120 VAC or 230 VAC; 50/60Hz
ENCLOSURE: 8” x 8” x 4” (20.32 x 20.32 x 10.16 cm)
NEMA 4X ultraviolet stabilized thermoplastic
RECEPTACLE PIGTAIL: 120 VAC NEMA 5-15R or 230 VAC NEMA 6-15R; 12.0” (30.48 cm) SJTW cable
MOUNTING POST: 22” x 7” x 6” (55.88 x 17.78 x 15.24 cm) polyethylene weatherproof gray engineered thermal plastic with 3” x 3” (7.62 x 7.62 cm) access cover
RISER EXTENSION KIT: 2.5” (6.35 cm) diameter schedule 40 conduit, 6’ (15.24 cm) in length; (2) stainless steel compression nuts
LIQUID TIGHT CORD SEAL: Seal - neoprene; washers, nuts and bolts - stainless steel
FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp
ALARM: 360 degree LED beacon, 95 decibels at 2 feet (60.96 cm) piezo horn

SEE PRICE BOOK FOR PRICING.
The Ultra Nator™ control and alarm system provides a convenient location for all wiring required for an indoor duplex pump application. The Ultra Nator™ employs two receptacles to accept two 120 VAC pump plugs. No wiring needed!

In normal operation, pumps will alternate based on the pump switch level. If an alarm condition occurs (top float activates), the alarm light and horn turn on. The pump in use will turn off and the other pump will turn on. Pumping will continue until the pump switch deactivates (bottom float).

**FEATURES**

- 120AC Voltage - Primary: 120 VAC, 60Hz; Secondary: 9 VDC
- If primary power fails, the alarm system continues to work due to battery backup feature. Battery Backup Power - 9VDC (Battery not included) (Battery backup will not run pumps)
- Pump failure indicator, alerts of potential pump problems
- NEMA 1 rated for indoor use
- Alternating pump action equalizes pump wear
- Factory-installed 10ft power cord
- Factory-installed pump activation and alarm activation switches for easy installations (various switch configurations available)
- Red LED high water indicator
- Amber LED horn disabled indicator
- Green LED pump run indicators (pump 1 & pump 2)
- Green LED power on indicator
- Audible and visual high water alarm
- Alarm test press button switch
- Pump run press button switch
- Horn silence press button switch
- Test-reset press button switch
- Auxiliary contacts (normally open and normally closed)
**ULTRA NATOR™** - Controls two 120V single phase pumps using two receptacles for pump connections in indoor duplex pump applications. No wiring needed.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1029624*</td>
<td>Ultra Nator™ &amp; two 10' SJE MicroMaster®</td>
<td>13 lbs.</td>
<td>$628.00</td>
</tr>
<tr>
<td>1030108</td>
<td>Ultra Nator™ &amp; two 10' SJE VerticalMaster® II</td>
<td>13 lbs.</td>
<td>$642.00</td>
</tr>
<tr>
<td>1030109</td>
<td>Ultra Nator™ &amp; one 10' SJE VerticalMaster® II &amp; one 10' VRS</td>
<td>13 lbs.</td>
<td>$716.00</td>
</tr>
<tr>
<td>1031346</td>
<td>Ultra Nator™ &amp; two 20' SJE MicroMaster®</td>
<td>15 lbs.</td>
<td>$668.00</td>
</tr>
<tr>
<td>1032893</td>
<td>Ultra Nator™ &amp; two 20' SJE VerticalMaster® II</td>
<td>15 lbs.</td>
<td>$660.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**SPECIFICATIONS**

**VOLTAGE:** 120 VAC  
**OUTPUT CONTACT RATING:** 4 Amp  
**ENCLOSURE:** 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm), NEMA 1 thermoplastic  
**RECEPTACLES:** 120 VAC NEMA type 5-15  
**ALARM HORN:** 95 decibels at 2 feet (0.61 meters)  
**MAXIMUM CURRENT:** 15 Amps
The PS Patrol® system features a built-in high water alarm and provides a convenient location to connect all wiring required for a pumping station installation. The PS Patrol® system employs a receptacle to accept a 120 VAC pump and piggy-back style pump switch.

The sleek, angled design of the clear enclosure includes a removable cover for easy access for field wiring. All internal components are sealed within the cover for protection from the elements. The red LED illuminates the cover in an alarm condition for easy 360° visual identification. Available with or without 32” mounting post.

**FEATURES**

- Controller meets Type 3R watertight standards and is designed for outdoor use
- Built-in high water alarm
- Removable cover provides greater access for field wiring and service
- Controller can be purchased with standard 5” square plastic post or can be mounted on 4” schedule 40/80 PVC pipe or conduit (customer supplied)
- Automatic alarm reset, horn silence and alarm test
- 360° visual alarm, audible alarm
- Red LED illuminates cover in alarm condition
- Green Power On light
- Auxiliary alarm contacts included for easy attachment of remote alarm
- Receptacle for easy connection of pump and piggy-back pump switch
- Cord seal included for sealing switches and pump cable
- Electrical potting cavity provides easy reliable method to seal power cables (user to provide duct seal)

**OPTIONS**

- Mercury or mechanical pump switches
- Various cord lengths
- Riser assembly adapter
- Dual alarm (2nd alarm input - yellow LED illuminates cover in alarm condition)
- Elapsed Time Meter (ETM)
- Pump circuit breaker
- Available with or without 32” post

www.sjerhombus.com • Toll Free 888-342-5753
**PS Patrol®** - Provides convenient wiring connection and system monitoring for pump station applications.

<table>
<thead>
<tr>
<th>Control Panel</th>
<th>Model Type</th>
<th>Starting Device</th>
<th>Float Switch Application</th>
<th>Options (Listed Below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP2</td>
<td>120V</td>
<td>SJE PumpMaster® Pump Switch (0-13 FLA)</td>
<td>H Pump Down (select Option 17 below)</td>
<td>PS Patrol® Base Price</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SJE PumpMaster® Plus Pump Switch (0-15 FLA)</td>
<td>Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Super Single® Pump Switch (120V = 0-15 FLA)</td>
<td>Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>No Pump Switch</td>
<td>Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>120V Double Float® Master Pump Switch (0-15 FLA)</td>
<td>Base</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Duo Alarm Inputs</td>
<td>$74.00</td>
</tr>
<tr>
<td>1V</td>
<td>Vertical Reed Switch (must select Option 1J)</td>
<td>$69.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$80.00</td>
</tr>
<tr>
<td>10X</td>
<td>No Mounting Post</td>
<td>$32.00</td>
</tr>
<tr>
<td>15P</td>
<td>Pump Breaker - Specify 0 or 1 after Number 15 Followed by Letter “P” (e.g., 151P, 152P)</td>
<td>$64.00</td>
</tr>
</tbody>
</table>

**Options**

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1J</td>
<td>Duo Alarm Inputs</td>
<td>$74.00</td>
</tr>
<tr>
<td>1V</td>
<td>Vertical Reed Switch (must select Option 1J)</td>
<td>$69.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed Time Meter</td>
<td>$80.00</td>
</tr>
<tr>
<td>10X</td>
<td>No Mounting Post</td>
<td>$32.00</td>
</tr>
<tr>
<td>15P</td>
<td>Pump Breaker - Specify 0 or 1 after Number 15 Followed by Letter “P” (e.g., 151P, 152P)</td>
<td>$64.00</td>
</tr>
<tr>
<td>16A</td>
<td>10' Cord in Lieu of 20' Cord (per float) Does Not Apply to Double Float® or Double Float® Master Pump Switch</td>
<td>$3.00</td>
</tr>
<tr>
<td>16B</td>
<td>15' Cord in Lieu of 20' Cord (per float)</td>
<td>$2.00</td>
</tr>
<tr>
<td>16C</td>
<td>30' Cord in Lieu of 20' Cord (per float)</td>
<td>$5.00</td>
</tr>
<tr>
<td>16D</td>
<td>40' Cord in Lieu of 20' Cord (per float)</td>
<td>$7.00</td>
</tr>
<tr>
<td>17A</td>
<td>SJE SignalMaster® / Pipe Clamp (Alarm Float) - Mechanical</td>
<td>$3.00</td>
</tr>
<tr>
<td>17J</td>
<td>Sensor Float® / Pipe Clamp (Alarm Float) - Mercury</td>
<td>$4.00</td>
</tr>
<tr>
<td>22F</td>
<td>PSP Assembly Kit</td>
<td>$58.00</td>
</tr>
</tbody>
</table>

**Part #**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Pre-configured Panels for Easy Ordering</th>
<th>FLA</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1022728*</td>
<td>PSP2 120V, 120V Alarm, No Pump Switch, 20' SJE SignalMaster®, with Mounting Post</td>
<td>0-15</td>
<td>13 lbs.</td>
<td>$335.00</td>
</tr>
<tr>
<td>1019021</td>
<td>PSP2 120V, 120V Alarm, No Pump Switch, 20A Circuit Breaker, with Mounting Post</td>
<td>0-15</td>
<td>13 lbs.</td>
<td>$406.00</td>
</tr>
<tr>
<td>1022575</td>
<td>PSP2 120V, 120V Alarm, ETM, 20' SJE SignalMaster®, with Mounting Post</td>
<td>0-15</td>
<td>14 lbs.</td>
<td>$415.00</td>
</tr>
<tr>
<td>1022577</td>
<td>PSP2 120V, 120V DUO Alarm, ETM, 20' SJE SignalMaster® &amp; VRS, with Mounting Post</td>
<td>0-15</td>
<td>15 lbs.</td>
<td>$558.00</td>
</tr>
<tr>
<td>1018434</td>
<td>PSP2 120V, No Alarm, No Pump Switch; Remote TAAB, 15' SJE SignalMaster®, with Mounting Post</td>
<td>0-15</td>
<td>16 lbs.</td>
<td>$307.00</td>
</tr>
<tr>
<td>1011551</td>
<td>Assembly Kit - Riser Extension Coupling and Washers</td>
<td>N/A</td>
<td>10 lbs.</td>
<td>$68.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**Specifications**

**Alarm Voltage:** 120 VAC

**Pump Voltage:** 120 VAC

**Enclosure Size:** Controller with post 5 x 5 x 39 inches (12.7 x 12.7 x 99.06 cm)
Controller without post 5 x 5 x 8 inches (12.7 x 12.7 x 20.32 cm)

**Receptacle:** 120 VAC - NEMA type 5-15

**Auxiliary Contacts:** 120 VAC, 0.5 amps max., 50/60 Hz, (circuit not supervised)

**Alarm Horn:** 82 decibels at 10 feet

**Alarm Float:** SJE SignalMaster® control switch with mounting clamp

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California Prop 65 requires the following: A WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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SEE PRICE BOOK FOR PRICING.
The Model 126 control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water well installations. The alternating action provides alternation between two wells. In addition to the alternating pump control, this system provides override control to maintain system pressure upon high demand or should either pump fail.

**COMPONENTS**

1. **Enclosure:**
   - **Model 1260I000X:** measures 10 x 8 x 4 inches (25.4 x 20.32 x 10.16 cm); choice of NEMA 1 (steel for indoor use) or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for indoor/outdoor use)
   - **Model 1260I120X:** measures 12 x 10 x 6 inches (30.48 x 25.4 x 15.24 cm); choice of NEMA 1 (steel for indoor use) or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for indoor/outdoor use)
2. Magnetic motor contactors (Model 1260I120X) control pumps by switching electrical lines
3. HOA switches for manual pump control
4. Alternating circuit board provides pump control and alternation (U.S. Patent # 5,909,532)
5. Green Pump Run indicator lights
6. Field wiring label
7. Incoming pump power/control power terminal block
8. Pressure switch terminal block
9. Control power/pressure switch terminal block (Not shown)
10. Control fuse
11. Control relay provides lag function
12. Ground lugs
**MODEL 126** - Single phase, duplex alternating pump control with override for water well applications.

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6T</td>
<td>Normally Open Non-Powered Chemical Free Pump Contacts</td>
<td>$66.00</td>
</tr>
<tr>
<td>10E</td>
<td>Lockable Latch - NEMA 4X</td>
<td>$43.00</td>
</tr>
<tr>
<td></td>
<td>Lockable Latch - NEMA 1</td>
<td>$55.00</td>
</tr>
</tbody>
</table>

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**Pricing Worksheet**

<table>
<thead>
<tr>
<th>Model 126 Base Price</th>
<th>$748.00</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Enclosure Rating</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting Device</td>
<td></td>
</tr>
<tr>
<td>Pump Full Load Amps</td>
<td></td>
</tr>
<tr>
<td>Total Options</td>
<td></td>
</tr>
<tr>
<td>TOTAL LIST PRICE</td>
<td></td>
</tr>
</tbody>
</table>

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SEE PRICE BOOK FOR PRICING.
The SJE Oil Spotter™ system is designed to provide pump control and alarm notification of potentially threatening water and oil levels in simplex pumping applications.

The system features an innovative, factory-installed Oil Water Switch that senses the difference between oil and water to remove water from the tank, while preventing oil from entering the environment.

The Oil Water Switch features four probes (start level, stop level, high water level, reference for ground) and a mechanical high oil alarm float.

Common applications include elevator sump basins, transformer vaults, leachate well applications, garages or any application requiring ASME A17.1 compliance.

In normal operation, as water and oil enter the tank, the oil rises to create a floating layer on top of the water. The water level rises to reach the Start Probe, activating the pump to remove water from the tank. It continues pumping water out of the tank until the water level falls below the Stop Probe (5 inch pumping range).

If the water level continues to rise and reaches the High Water Probe, the red high water LED indicator illuminates and auxiliary contacts close (activating an optional Tank Alert® alarm or other remote device).

If the oil level rises to activate the mechanical High Oil Float, the red high oil LED indicator illuminates and auxiliary contacts close (activating an optional Tank Alert® alarm or other remote device).

**FEATURES**

- NEMA 1 rated for indoor use
- Factory-installed 10ft power cord
- Plug and play - no wiring for easy installation
- Receptacle to accept one 120 VAC or 230 VAC pump plug (15 amp FLA max)
- SJE Oil Spotter™ Panel with LED indicators for:
  - High Water Indicator (red)
  - High Oil Indicator (red)
  - Pump Run Indicator (green)
  - Power Indicator (green)
- Factory-installed Oil Water switch includes:
  - High oil float
  - High water probe
  - Start probe
  - Stop probe
  - Reference probe
- Pump activation probes (start and stop levels) 5 inch pumping range
- Helps satisfy requirements of ASME A17.1 compliant system
SJE OIL SPOTTER™ - Provides pump control and alarm notification of potentially threatening water and oil levels in simplex pumping applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1033606</td>
<td>SJE Oil Spotter™ System (10ft)</td>
<td>13 lbs.</td>
<td>$976.00</td>
</tr>
<tr>
<td>1033578</td>
<td>SJE Oil Spotter™ System (10ft) w/ Tank Alert® AB</td>
<td>15 lbs.</td>
<td>$1,063.00</td>
</tr>
<tr>
<td>1036286</td>
<td>SJE Oil Spotter™ System (50ft) w/ Tank Alert® AB</td>
<td>18 lbs.</td>
<td>$1,181.00</td>
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</table>

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (230V)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1037562</td>
<td>SJE Oil Spotter™ 230V System (10ft)</td>
<td>13 lbs.</td>
<td>$999.00</td>
</tr>
<tr>
<td>1037723</td>
<td>SJE Oil Spotter™ 230V System (10ft) w/ Tank Alert® AB</td>
<td>15 lbs.</td>
<td>$1,086.00</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

VOLTAGE: 120 VAC; 230 VAC

ENCLOSURE: 8 x 8 x 4 inch (20.32 x 20.32 x 10.16 cm), NEMA 1 indoor

RECEPTACLE: 120 VAC NEMA type 5-15; 230 VAC NEMA type 6-15

MAXIMUM CURRENT: 15 Amps
The SJE Oil Spotter™ Auto control and alarm system is designed to monitor and control oil/water environments and provides a convenient location for all wiring required for an indoor simplex pump application.

The SJE Oil Spotter™ Auto employs a terminal block for one 120 VAC pump, a 120 VAC oil containment valve and a 120 VAC water drain valve. Another terminal block is for wiring the SJE Oil Spotter™ Auto probe, high water alarm float, and auxiliary alarm connection. The panel also includes a Auto/Hand pump switch and Water/Oil Drain selection switch (functions in HAND mode only).

In normal operation, the pump will turn on and off as the water level activates the probes (5 inch pumping range). If the water level rises enough to activate the high water probe, a red indicator will illuminate and activate auxiliary contacts. If the oil level reaches the high oil float, a red indicator will illuminate and activate the auxiliary contacts, the pump energizes along with the valves to automatically remove contaminated water/oil into the appropriate holding vessel.

In Hand operation (spring loaded) the operator can manually pump out the water/oil from the pit. The valve selection switch allows the operator to choose if the valves are activated or not.

Common applications include elevator sump basins, transformer vaults, leachate well applications or garages.

**FEATURES**

- NEMA 1 rated padlockable enclosure for indoor use with (2) heavy duty latches, stainless steel 1/4 turn set screw, drip shield, and integral mounting flanges
- Water/Oil Drain switch (functions in Hand mode only)
- SJE Oil Spotter™ Auto Panel with LED indicators for:
  - High Water Indicator (red)
  - High Oil Indicator (red)
  - Pump Run Indicator (green)
  - Power Indicator (green)
- 10’ Oil Water switch includes:
  - High oil float
  - High water probe
  - Start probe
  - Stop probe
  - Reference probe
- Auto/Hand switch (spring loaded to Auto)
- Pump disconnect breaker
- Control fuse
- Helps satisfy requirements of ASME A17.1 compliant system
**SJE OIL SPOTTER™ AUTO** - Provides pump control, valve control, and alarm notification of potentially threatening water and oil levels in simplex pumping applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1038943</td>
<td>SJE Oil Spotter™ Auto System</td>
<td>9 lbs.</td>
<td>$1,125.00</td>
</tr>
<tr>
<td>1038946</td>
<td>SJE Oil Spotter™ Auto System w/ Tank Alert® AB</td>
<td>10 lbs.</td>
<td>$1,212.00</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**VOLTAGE:** 120 VAC  

**ENCLOSURE:** 12 x 10 x 6 inch (30.48 x 25.4 x 15.24 cm), NEMA 1 indoor, ultraviolet, stabilized thermoplastic, padlockable, dripshield, integral mounting flanges, (2) heavy duty cover latches, 1/4 turn stainless steel set screw

**MAXIMUM CURRENT:** 15 Amps
Select Start™ three phase starter boxes provide a reliable means of controlling one 208 VAC three phase motor, one 240 VAC three phase motor, one 480 VAC three phase motor, or one 575 VAC three phase motor in water, wastewater, and sewage installations. Select Start™ starter boxes utilize a wide angle float switch to activate a combination motor controller to turn the motor on and off in Auto Mode and have an adjustable overload that allows for easy adjustment of motor overload current. Common applications include pump chambers, sump pump basins, irrigation systems, lift stations, and air compressor systems.

**COMPONENTS**

1. Enclosure for models without through door disconnect measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use)

2. Enclosure for models with through door disconnect measures 12 x 12 x 10 inches (30.48 x 30.48 x 25.40 cm); Type 3R (painted steel for outdoor or indoor use)

3. Hand/Off/Auto switch for manual pump control

4. Terminal block for incoming power, motor and float connections

5. Ground lugs

6. Combination motor controller controls pump by switching electrical lines

7. Adjustable motor overload

8. Pump Run indicator

9. Multi-tap transformer (208/240/480 VAC primary) provides 120 VAC control voltage (No multi-Tap transformer on 575 VAC)
**SELECT START™ STARTER BOXES** - Three phase starter boxes for motor control.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Amps</th>
<th>Thru Door Pump Disconnect</th>
<th>Overload Module</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1041336</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>3-12</td>
<td>No</td>
<td>Yes</td>
<td>12 lbs.</td>
<td>$1,133.00</td>
</tr>
<tr>
<td>1040968</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>8-32</td>
<td>No</td>
<td>Yes</td>
<td>12 lbs.</td>
<td>$1,133.00</td>
</tr>
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<td>1041467</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>3-12</td>
<td>Yes</td>
<td>Yes</td>
<td>24 lbs.</td>
<td>$1,492.00</td>
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<td>1041468</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>8-32</td>
<td>Yes</td>
<td>Yes</td>
<td>24 lbs.</td>
<td>$1,492.00</td>
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<tr>
<td>1041469</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>3-32</td>
<td>No</td>
<td>No*</td>
<td>12 lbs.</td>
<td>$1,023.00</td>
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<td>1041470</td>
<td>Starter Box, Three Phase, 208/240/480 VAC</td>
<td>3-32</td>
<td>Yes</td>
<td>No*</td>
<td>24 lbs.</td>
<td>$1,382.00</td>
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<tr>
<td>1044585</td>
<td>Starter Box, Three Phase, 575 VAC</td>
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<td>No</td>
<td>Yes</td>
<td>24 lbs.</td>
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<td>1044586</td>
<td>Starter Box, Three Phase, 575 VAC</td>
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<td>No</td>
<td>Yes</td>
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<td>1044587</td>
<td>Starter Box, Three Phase, 575 VAC</td>
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<td>Yes</td>
<td>Yes</td>
<td>24 lbs.</td>
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<tr>
<td>1044588</td>
<td>Starter Box, Three Phase, 575 VAC</td>
<td>8-32</td>
<td>Yes</td>
<td>Yes</td>
<td>24 lbs.</td>
<td>$1,808.00</td>
</tr>
<tr>
<td>1044589</td>
<td>Starter Box, Three Phase, 575 VAC</td>
<td>3-32</td>
<td>No</td>
<td>No*</td>
<td>24 lbs.</td>
<td>$1,236.00</td>
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<tr>
<td>1044590</td>
<td>Starter Box, Three Phase, 575 VAC</td>
<td>3-32</td>
<td>Yes</td>
<td>No*</td>
<td>24 lbs.</td>
<td>$1,698.00</td>
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<tr>
<td>1036510</td>
<td>Overload Module, 120 VAC, 3-12 FLA</td>
<td>3-12</td>
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<td>–</td>
<td>0.30 lbs.</td>
<td>$110.00</td>
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<td>1033806</td>
<td>Overload Module, 120 VAC, 8-32 FLA</td>
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<td>–</td>
<td>–</td>
<td>0.30 lbs.</td>
<td>$110.00</td>
</tr>
</tbody>
</table>

*NOTE:* Starter Boxes ordered Without Overload Module will require Overload Module to be added in order to operate.

See price book for pricing.
The VARIOspeed® N1 control panel is designed to control a three phase pump in constant pressure control applications including booster pump, deep well submersible pump, and irrigation pump applications. As flow and head conditions change in the pumping system, the VFD is able to automatically control the pump speed and maintain a constant discharge pressure. The desired set pressure is entered on the door mounted display. The pressure transducer measures the pump discharge pressure. Not for use with sewage pumps.

**FEATURES**

- Run dry protection (pipe burst or low pressure alarm)
- High pressure protection
- System fault Log
- Standard package includes a 0-200 PSI pressure transducer (one-year limited warranty on pressure transducer)

**COMPONENTS**

1. Enclosure (up to 5 HP) measures 14 x 8 x 8 inches (35.56 x 20.32 x 20.32 cm) steel NEMA 1 for indoor use with locking latch
2. Enclosure (above 5 HP) measures 18 x 10 x 10 inches (45.72 x 25.40 x 25.40 cm) steel NEMA 1 for indoor use with locking latch
3. Vents for VFD cooling
4. Variable Frequency Drive
   a. 4 Line/20 character display
   b. Rotary/push button for menu navigation and editing
   c. Left arrow button
   d. ESC button
   e. Run indicator LED
   f. Fault indicator LED
   g. Off/Auto selector switch

**Pressure Booster Pump Application**

1. **Enclosure** (up to 5 HP) measures 14 x 8 x 8 inches (35.56 x 20.32 x 20.32 cm) steel NEMA 1 for indoor use with locking latch.
2. Enclosure (above 5 HP) measures 18 x 10 x 10 inches (45.72 x 25.40 x 25.40 cm) steel NEMA 1 for indoor use with locking latch.
3. Vents for VFD cooling.
4. Variable Frequency Drive.
   a. 4 Line/20 character display.
   b. Rotary/push button for menu navigation and editing.
   c. Left arrow button.
   d. ESC button.
   e. Run indicator LED.
   f. Fault indicator LED.
   g. Off/Auto selector switch.

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**SJE RHOMBUS.**

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95000911H-WEB  Rev 03/21

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**SELECTING THE CORRECT VFD**

1. Determine the voltage available on site.
2. Select a pump with the same voltage (motor must be three phase).
3. Check pump motor nameplate Full Load Amps (FLA) for proper VFD sizing.
4. Select a VFD with an output amp rating higher than motor FLA.
5. Use motor Service Factor Amps (SFA) for submersible well pump applications for VFD sizing.

**PHASE CONVERSION**

It is possible to supply single phase 240V input power to VS23 models. The VFD output amp must be derated by 50%. Example: The VS23-45.0-N1 will be derated to 22.5A output (max).

**Use three phase input power if available. VS23 VFD's are not UL listed with single phase supply. Always use a three phase motor.**

**MAXIMUM MOTOR CABLE LENGTHS**

For 208V-240V pumps: 400 ft. For cable lengths greater than 400 ft., use a load reactor. Do not exceed 800 ft.
For 480V pumps: 50 ft. For cable lengths greater than 50 ft., use a load reactor. Do not exceed 300 ft.

**SPECIFICATIONS**

**POWER:** Available HP range
(208V-240V) 1.5HP - 20HP
(480V) 3HP - 20HP

**CONTROL:**
- PID control
- Adjustable electronic overload
- Auto Start on pressure drop (adjustable)
- Auto Stop on low Hz (No-Flow - sleep mode)

**PRESSURE TRANSDUCER:**
0-200 PSI (included) 1/4" NPT Male, NEMA 4X rated with 20 ft cable. One-year limited warranty on pressure transducer.

**ENVIRONMENTAL:**
- Operating temperature: 14°F to 104°F (-10°C to 40°C)
- Storage temperature: -4°F to 131°F (-20°C to 55°C)
- Altitude: Maximum of 3,280 ft (1,000 m) above sea level
The VARIOspeed® 3R control panel is designed to control a three phase pump in constant pressure control applications including booster pump, deep well submersible pump, and irrigation pump applications.

As flow and head conditions change in the pumping system, the VFD is able to automatically control the pump speed and maintain a constant discharge pressure. The desired set pressure is entered on the display inside the panel. The pressure transducer measures the pump discharge pressure. Not for use with sewage pumps.

**FEATURES**

- Run dry protection (pipe burst or low pressure protection)
- High pressure protection
- System fault log
- Standard package includes a 0-200 PSI pressure transducer (one-year limited warranty on pressure transducer)

**COMPONENTS**

1. Enclosure measures 18 x 16 x 10 inches (45.72 x 40.64 x 25.40 cm) fiberglass NEMA 3R for outdoor or indoor use with removable mounting feet & locking latch - NOTE: Voltage and amp range selected may change component layout in enclosure.
2. Vents for VFD cooling
3. Fan and thermostat for 7.5 HP and larger HP models
4. Raised terminals for easy field connections
5. Circuit breaker disconnect
6. Variable Frequency Drive
7. Fan control circuit breaker (240V models only)
8. Control transformer (480V models only - not shown)
9. VFD display
   a. 4 Line/20 character display
   b. Rotary/push button for menu navigation and editing
   c. Left arrow button
   d. ESC button
   e. Run indicator LED
   f. Fault indicator LED
   g. Off/Auto selector switch

**Pressure Booster Pump Application**
### VARIOSPEED® 3R CONTROL PANEL - Variable Frequency Drive control panel in a NEMA 3R enclosure.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Model</th>
<th>Output Amp</th>
<th>HP</th>
<th>Input Phase</th>
<th>Output Phase</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030983</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS21-7.0-N3R</td>
<td>7.0</td>
<td>1.5</td>
<td>1</td>
<td>3</td>
<td>31 lbs.</td>
<td>$2,072.00</td>
</tr>
<tr>
<td>1030984</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS21-10.0-N3R</td>
<td>10.0</td>
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<td>1</td>
<td>3</td>
<td>32 lbs.</td>
<td>$2,188.00</td>
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<tr>
<td>1039107</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS23-16.5-N3R</td>
<td>16.5</td>
<td>5</td>
<td>3</td>
<td>3</td>
<td>31 lbs.</td>
<td>$2,468.00</td>
</tr>
<tr>
<td>1039085</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS23-31.8-N3R</td>
<td>31.8</td>
<td>7.5</td>
<td>10</td>
<td>3</td>
<td>35 lbs.</td>
<td>$3,540.00</td>
</tr>
<tr>
<td>1039108</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS23-45.0-N3R</td>
<td>45.0</td>
<td>15</td>
<td>3</td>
<td>3</td>
<td>42 lbs.</td>
<td>$4,419.00</td>
</tr>
<tr>
<td>1039109</td>
<td>VARIOspeed® 3R, 240V</td>
<td>VS23-58.0-N3R</td>
<td>58.0</td>
<td>20</td>
<td>3</td>
<td>3</td>
<td>42 lbs.</td>
<td>$4,852.00</td>
</tr>
<tr>
<td>1069017</td>
<td>VARIOspeed® 3R, 480V</td>
<td>VS43-8.0-N3R</td>
<td>8.0</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>47 lbs.</td>
<td>$3,296.00</td>
</tr>
<tr>
<td>1039110</td>
<td>VARIOspeed® 3R, 480V</td>
<td>VS43-16.0-N3R</td>
<td>16.0</td>
<td>7.5</td>
<td>10</td>
<td>3</td>
<td>47 lbs.</td>
<td>$4,015.00</td>
</tr>
<tr>
<td>1039111</td>
<td>VARIOspeed® 3R, 480V</td>
<td>VS43-29.5-N3R</td>
<td>29.5</td>
<td>15</td>
<td>20</td>
<td>3</td>
<td>47 lbs.</td>
<td>$4,832.00</td>
</tr>
</tbody>
</table>

**NOTE:** HP rating is based on standard NEMA B 4-pole motor (used for indication only, use nameplate FLA for sizing). The output voltage of the VFD cannot exceed the incoming voltage. Example: 208V in, 208V out (max).

### SELECTING THE CORRECT VFD

1. Determine the voltage available on site.
2. Select a pump with the same voltage (motor must be three phase).
3. Check pump motor nameplate Full Load Amps (FLA) for proper VFD sizing.
4. Select a VFD with an output amp rating higher than motor FLA.
5. Use motor Service Factor Amps (SFA) for submersible well pump applications for VFD sizing.

### PHASE CONVERSION**

It is possible to supply single phase 240V input power to VS23 models. The VFD output amp must be derated by 50%.
Example: The VS23-45.0-N3R will be derated to 22.5A output (max).

**Use three phase input power if available. VS23 VFD’s are not UL listed with single phase supply. Always use a three phase motor.

### MAXIMUM MOTOR CABLE LENGTHS

For 208V-240V pumps: 400 ft. For cable lengths greater than 400 ft., use a load reactor. Do not exceed 800 ft.
For 480V pumps: 50 ft. For cable lengths greater than 50 ft., use a load reactor. Do not exceed 300 ft.

### SPECIFICATIONS

**POWER:**
- Available HP range (208V-240V) 1.5HP - 20HP
- (480V) 3HP - 20HP

**CONTROL:**
- PID control
- Adjustable electronic overload
- Auto Start on pressure drop (adjustable)
- Auto Stop on low Hz (No-Flow - sleep mode)

**PRESSURE TRANSUDER:**
- 0-200 PSI (included) 1/4" NPT Male, NEMA 4X rated with 20 ft cable. One-year limited warranty on pressure transducer.

**ENVIRONMENTAL:**
- Operating temperature: 14°F to 104°F (-10°C to 40°C)
- Storage temperature: -4°F to 131°F (-20°C to 55°C)
- Altitude: Maximum of 3,280 ft (1,000 m) above sea level
The VARIOspeed® 3R control panel is designed to control (2) three phase pumps in constant pressure control applications including booster pump, deep well submersible pump, and irrigation pump applications. As flow and head conditions change in the pumping system, the VFDs are able to automatically control the pump speed and maintain a constant discharge pressure. The desired set pressure is entered on the display inside the panel. The pressure transducer measures the pump discharge pressure. Not for use with sewage pumps.

**FEATURES**

- Run dry protection (pipe burst or run dry protection)
- High pressure protection
- System fault log
- Standard package includes a 0-200 PSI pressure transducer (one-year limited warranty on pressure transducer)

**COMPONENTS**

1. Enclosure measures 24" x 20" x 8" (61 x 51 x 21 cm) (up to 5hp) and 30" x 24" x 10" (72 x 61 x 26 cm) (7.5 to 20hp) steel NEMA 3R for indoor or outdoor use
2. Vents for VFD cooling
3. Fan and thermostat for 7.5 HP and larger HP models
4. Raised terminals for easy field connections
5. Circuit breaker disconnects
6. Variable Frequency Drives
7. Fan control circuit breaker (240V models only)
8. Control transformer (480V models only - not shown)
9. Externally mounted run indicator LEDs
10. Externally mounted pump Hand-Off-Auto selector switches
11. VFD display
   a. 4 Line/20 character display
   b. Rotary/push button for menu navigation and editing
   c. Left arrow button
   d. ESC button
   e. Run indicator LEDs
   f. Fault indicator LED
VARIOSPEED® 3R DUPLEX CONTROL PANEL - Variable Frequency Drive controller in a NEMA 3R enclosure for indoor or outdoor use.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Model</th>
<th>Output Amp</th>
<th>HP</th>
<th>Input Phase</th>
<th>Output Phase</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1051672</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS21-7.0-N3RD</td>
<td>7.0</td>
<td>1.5</td>
<td>1</td>
<td>3</td>
<td>115 lbs.</td>
<td>$5,185.00</td>
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<tr>
<td>1051673</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS21-10.0-N3RD</td>
<td>10.0</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>115 lbs.</td>
<td>$5,402.00</td>
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<tr>
<td>1051674</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS23-16.5-N3RD</td>
<td>16.5</td>
<td>5</td>
<td>3</td>
<td>3</td>
<td>115 lbs.</td>
<td>$5,935.00</td>
</tr>
<tr>
<td>1051675</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS23-31.8-N3RD</td>
<td>31.8</td>
<td>7.5</td>
<td>3</td>
<td>3</td>
<td>146 lbs.</td>
<td>$7,995.00</td>
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<tr>
<td>1051676</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS23-45.0-N3RD</td>
<td>45.0</td>
<td>15</td>
<td>3</td>
<td>3</td>
<td>154 lbs.</td>
<td>$9,690.00</td>
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<tr>
<td>1051677</td>
<td>VARIOspeed® 3RD, 240V</td>
<td>VS23-58.0-N3RD</td>
<td>58.0</td>
<td>20</td>
<td>3</td>
<td>3</td>
<td>154 lbs.</td>
<td>$10,538.00</td>
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<tr>
<td>1060918</td>
<td>VARIOspeed® 3RD, 480V</td>
<td>VS43-8.0-N3RD</td>
<td>8.0</td>
<td>-5</td>
<td>3</td>
<td>3</td>
<td>150 lbs.</td>
<td>$6,592.00</td>
</tr>
<tr>
<td>1051678</td>
<td>VARIOspeed® 3RD, 480V</td>
<td>VS43-16.0-N3RD</td>
<td>16.0</td>
<td>7.5</td>
<td>3</td>
<td>3</td>
<td>150 lbs.</td>
<td>$8,891.00</td>
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<tr>
<td>1051679</td>
<td>VARIOspeed® 3RD, 480V</td>
<td>VS43-29.5-N3RD</td>
<td>29.5</td>
<td>15</td>
<td>3</td>
<td>3</td>
<td>161 lbs.</td>
<td>$10,466.00</td>
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</tbody>
</table>

**NOTE:** HP rating is based on standard NEMA B 4-pole motor (used for indication only, use nameplate FLA for sizing). The output voltage of the VFD cannot exceed the incoming voltage. Example: 208V in, 208V out (max).

**SELECTING THE CORRECT VFD**
1. Determine the voltage available on site.
2. Select a pump with the same voltage (motor must be three phase).
3. Check pump motor nameplate Full Load Amps (FLA) for proper VFD sizing.
4. Select a VFD with an output amp rating higher than motor FLA.
5. Use motor Service Factor Amps (SFA) for submersible well pump applications for VFD sizing.

**PHASE CONVERSION**
It is possible to supply single phase 240V input power to VS23 models. The VFD output amp must be derated by 50%. Example: The VS23-45.0-N3RD will be derated to 22.5A output (max).
**Use three phase input power if available. VS23 VFD’s are not UL listed with single phase supply. Always use a three phase motor.**

**MAXIMUM MOTOR CABLE LENGTHS**
For 208V-240V pumps: 400 ft. For cable lengths greater than 400 ft., use a load reactor. Do not exceed 800 ft.
For 480V pumps: 50 ft. For cable lengths greater than 50 ft., use a load reactor. Do not exceed 300 ft.

**SPECIFICATIONS**
- **POWER:** Available HP range (208V-240V) 1.5HP - 20HP (480V) 3HP - 20HP
- **CONTROL:** PID control
  - Adjustable electronic overload
  - Auto Start on pressure drop (adjustable)
  - Auto Stop on low Hz (No-Flow - sleep mode)
- **PRESSURE TRANSDUCER:** 0-200 PSI (included) 1/4” NPT Male, NEMA 4X rated with 20 ft cable. One-year limited warranty on pressure transducer.
- **ENVIRONMENTAL:** Operating temperature: 14°F to 104°F (-10°C to 40°C)
  - Storage temperature: -4°F to 131°F (-20°C to 55°C)
  - Altitude: Maximum of 3,280 ft (1,000 m) above sea level
The Xpert Alert® indoor alarm system helps protect your home from potentially costly damage due to flooding, pump failure or freezing pipes. The sleek design of the enclosure, with its unique shape, smooth rounded edges, and large push button with LED light ring, makes this attractive alarm ideal for residential applications, including sump pump basins, lift pump chambers, holding tanks, sewage, agricultural and other water applications.

When the level in the tank rises, the high water float switch activates the alarm (audible and visual) to alert of potentially threatening liquid level conditions. The sleek design of the Xpert Alert® alarm incorporates a unique, easy-to-see LED alarm light ring that illuminates red for alarm 1 and amber for alarm 2. The alarm horn can be silenced by pressing the large button, but the LED remains on as long as the alarm condition exists. Once the condition is cleared, the alarm will automatically reset.

A red “Low Temperature” LED activates when the temperature falls below 40°F (4°C) to help protect against freezing pipes; this feature can be disabled for installations in cold areas. A “Power On” LED indicator is green while on plug-in power; amber while on battery backup; and red when the backup battery is low. Low battery chirp feature provides notification when battery should be replaced (3AA batteries not included).

**FEATURES**

- Sleek enclosure design features unique shape with smooth rounded edges and large push button with LED light ring makes this attractive alarm ideal for residential applications
- Compact NEMA 1 enclosure, designed for ease of installation, rated for indoor use
- Automatic alarm reset
- (2) sensor inputs to monitor (2) separate liquid level conditions
- LED alarm light ring alerts you of alarm status; red for alarm 1, amber for alarm 2
- Audible alarm activates with alarm 1, alarm 2, low temperature and low battery chirp
- LED low temperature indicator activates at 40°F (4°C) to alert of potential freezing conditions (green for temperature normal, red for low temperature)
- Low temperature alarm may be deactivated when temperature monitoring is not required
- LED power on indicator (green for primary power, amber for battery backup, red for low battery)
- Alarm horn sounds at 80 decibels at 10 feet (3 meters)
- Large, easy-to-use test/silence button located conveniently on front of alarm; simply press to test or silence alarm
- If primary power fails, the alarm system continues to work due to battery backup feature (Batteries not included)
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock
- Low battery chirp
- Includes auxiliary alarm contacts for easy attachment of remote devices (continues to operate during loss of primary power)
- Covered terminal block for easy, secure float switch installation

U.S. Patent No. D874,960
**XPERT ALERT®** - Easy-to-install liquid level alarm system with low temperature alarm and battery backup features for indoor use.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1056754*</td>
<td>Xpert Alert®, 120V, High w/ 10' SJE MilliAmpMaster™ Float</td>
<td>1.85 lbs.</td>
<td>$105.00</td>
</tr>
<tr>
<td>1057333</td>
<td>Xpert Alert®, 120V, no float</td>
<td>0.85 lbs.</td>
<td>$84.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge. MASTER CARTON holds 16 boxed units.

**CONTROL SWITCH OPTIONS**

The Xpert Alert® alarm system comes standard with a 10 ft SJE MilliAmpMaster™ control switch with mounting clamp. Other float switches may be ordered separately. See control switch section of the catalog.

**SPECIFICATIONS**

**VOLTAGE:**
- Primary: 120 VAC, 60 Hz, 5 watts max. (alarm condition)
- SECONDARY: 5 VDC

**BATTERY BACKUP POWER:** 4.5 VDC (3 AA batteries not included); operates for 24 hours in alarm condition, one month when no alarm is present

**ALARM ENCLOSURE:** 5.5 x 4 x 1.75 inch (14 x 10 x 4.5 cm), NEMA 1 plastic

**ALARM HORN:** 80 decibels at 10 feet (3 meters)

**POWER CORD:** 6 foot (1.8 meter) MicroUSB

**FLOAT SWITCH CONNECTION TERMINALS:** For float switch connection only - do not apply power (Voltage across terminals is 3 VDC)

**FLOAT SWITCH:** SJE MilliAmpMaster™ control switch with mounting clamp

**CABLE:** 10 feet (3 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

**AUXILIARY ALARM CONTACTS:** Normally open, normally closed (CSA certified)

**VOLTAGE:** ≤ 30 VAC/VDC (Class 2)

**CURRENT:** 1 amp maximum
The Xpert Alert® WiFi indoor alarm system helps protect your home 24/7 from potentially costly damage due to flooding, pump failure or freezing pipes. The system monitors and reports any residential alarm condition by notifying you locally (audible and visual alarms) and remotely via SMS text messages and/or emails over a WiFi or Ethernet network to your smartphone, tablet or computer. The sleek design of the enclosure, with its unique shape, smooth rounded edges, and large push button with LED light ring, makes this attractive alarm ideal for residential applications, including sump pump basins, lift pump chambers, holding tanks, sewage, agricultural and other water applications.

When the tank level rises, the high water float activates the alarm to audibly and visually warn of potentially threatening liquid level conditions. The alarm features an easy-to-see LED alarm light ring that illuminates red for alarm 1 and amber for alarm 2. The alarm horn can be silenced by pressing the large button, but the LED remains on as long as the alarm condition exists. Once the condition is cleared, the alarm automatically resets. A red “Low Temperature” LED activates when the temperature falls below 40°F (4°C) to help protect against freezing pipes; this can be disabled for installations in cold areas. When alarm conditions occur, you are notified by text/email message.

The alarm works with your existing WiFi or Ethernet network. Since it does not rely on a cellular connection, it is an excellent solution for areas with poor cellular service. No monthly fees or contracts! Easy installation and setup make this a great option for businesses, rental properties and seasonal homes to help prevent costly damage.

**FEATURES**

- Compact NEMA 1 rated indoor enclosure is designed for easy installation
- Automatic alarm reset
- (2) sensor inputs to monitor (2) separate liquid level conditions.
- LED alarm light ring warns of alarm status; red for alarm 1, amber for alarm 2
- Audible alarm activates alarm 1, alarm 2, low temperature and low battery chirp
- Notifies up to 4 contacts (2 email contacts and 2 text, text in country code 1 only, maximum of 10 text messages sent per day)
- Notifies the user via SMS text and/or email notifications of conditions: alarm 1, alarm 2, power lost, power restored, low temperature, low battery and alarm offline
- WiFi connectivity for remote alarm report
  - Simple Access Point Mode push-button connection
  - Manual WiFi setup through Ethernet cable connection to router/modem (cable not included)
  - NOTE: Installation of an Uninterruptible Power Supply (UPS) on internet modem and wireless router is recommended. The internet connection must be maintained to receive notifications
- LED low temperature indicator activates at 40°F (4°C) to alert of potential freezing conditions (green for temperature normal, red for low temperature); may be deactivated when temperature monitoring is not required
- LED power indicators (green = primary power, amber = battery backup, red = low battery)
- LED network status indicators (blue flashing = network connection setup, blue constant = network connection established)
- Alarm horn sounds at 80 decibels at 10 feet (3 meters)
- Large, easy-to-use test/silence push-button located conveniently on front of alarm
- If primary power fails, the alarm system continues to work due to integral rechargeable battery backup feature
- Swiching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock
- Low battery chirp
- Includes auxiliary alarm contacts for easy attachment of remote devices (continues to operate during loss of power)
- Covered terminal block for easy, secure float switch installation

**Wi-Fi:** Requires a WiFi connection with WPA2 security.

**Ethernet:** Requires an Ethernet connection.
XPERT ALERT® WIFI - Easy-to-install indoor alarm system with WiFi connectivity, remote notification, 2 alarm inputs, temperature alarm, auto reset and battery backup.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1060316*</td>
<td>Xpert Alert® WiFi, 120V, High w/ 10' SJE MilliAmpMaster™ Float</td>
<td>1.85 lbs.</td>
<td>$308.00</td>
</tr>
<tr>
<td>1061894</td>
<td>Xpert Alert® WiFi, 120V, no float</td>
<td>0.85 lbs.</td>
<td>$287.00</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.
MASTER CARTON holds 16 boxed units.

CONTROL SWITCH OPTIONS
The Xpert Alert® WiFi alarm system comes standard with a 10 ft SJE MilliAmpMaster™ control switch with mounting clamp. Other float switches may be ordered separately. See control switch section of the catalog.

SPECIFICATIONS

VOLTAGE:
- PRIMARY: 120 VAC, 60 Hz, 5 watts max. (alarm condition)
- SECONDARY: 5 VDC

BATTERY BACKUP POWER: 3.7 VDC rechargeable lithium

ALARM ENCLOSURE: 5.5 x 4 x 1.75 inch (14 x 10 x 4.5 cm), NEMA 1 plastic

ALARM HORN: 80 decibels at 10 feet (3 meters)

POWER CORD: 6 foot (1.8 meter) MicroUSB

FLOAT SWITCH CONNECTION TERMINALS: For float switch connection only - do not apply power (Voltage across terminals is 3 VDC)

FLOAT SWITCH: SJE MilliAmpMaster™ control switch with mounting clamp

CABLE: 10 feet (3 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

WIFI: Connect using Access Point Mode or manually by using Ethernet connection (ethernet cable not provided); WPA2 security required on wireless router

ETHERNET: Requires an ethernet connection (ethernet cable not provided)

NOTE: Cellular WiFi hotspots are not recommended for use with this WiFi alarm, as intermittent or unreliable notification service can result

AUXILIARY ALARM CONTACTS: Normally open, normally closed (CSA certified)

VOLTAGE: ≤ 30 VAC/VDC (Class 2)

CURRENT: 1 amp maximum

D.4

www.sjerhombus.com • email: customer.service@sjeinc.com

SEE PRICE BOOK FOR PRICING.
This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® AB alarm system can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm light remains on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.

A green “Power On” light indicates 120 VAC primary power to the alarm. Low battery chirp feature indicates when battery should be replaced.

FEATURES

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use
- Automatic alarm reset
- Red “alarm” light and green “power on” light, alarm “test” switch, and horn “silence” switch
- Alarm horn sounds at 87 decibels at 10 feet (3 meters)
- Can be used with any UL Listed/Recognized switching mechanism rated to include 1 amp, 9 VDC load
- If primary power fails, the alarm system continues to work due to battery backup feature (battery not included)
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock
- Low battery chirp
- Easy access battery compartment
- External terminal block for easy float switch installation

OPTIONS

When ordered with the alarm, this system is available with:

- Alternate float switch models for high or low level warning
- Auxiliary dry normally open and normally closed contacts (Tank Alert® AB with auxiliary contacts included is CSA Certified only)
- Splice kit
**TANK ALERT® AB** - Easy-to-install liquid level alarm system with auto reset and battery backup features for indoor use.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011421*</td>
<td>TA AB-01H (120 VAC w/15' SJE SignalMaster® High Level)</td>
<td>2.73 lbs.</td>
<td>$126.25</td>
</tr>
<tr>
<td>1011424</td>
<td>TA AB-01L (120 VAC w/15' SJE SignalMaster® Low Level)</td>
<td>2.73 lbs.</td>
<td>$126.25</td>
</tr>
<tr>
<td>1011422</td>
<td>TA AB-01H (120 VAC w/15' Sensor Float® High Level)</td>
<td>2.81 lbs.</td>
<td>$134.98</td>
</tr>
<tr>
<td>1011423</td>
<td>TA AB-01X (120 VAC no float)</td>
<td>1.44 lbs.</td>
<td>$92.95</td>
</tr>
<tr>
<td>1012668</td>
<td>TA AB-01HAUX (120 VAC w/15' SJE SignalMaster® High Level &amp; Auxiliary Contacts)</td>
<td>2.75 lbs.</td>
<td>$147.28</td>
</tr>
<tr>
<td>1021932</td>
<td>TA AB-01XAUX (120 VAC no float w/Auxiliary Contacts)</td>
<td>1.46 lbs.</td>
<td>$113.98</td>
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<tr>
<td>OPTION AUX</td>
<td>Alarm Auxiliary Contacts (factory installed option only)</td>
<td>NA</td>
<td>$21.03</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**H = High Level  L = Low Level  X = No Float  AUX = Auxiliary Contacts  MASTER CARTON holds 16 boxed units.**

**CONTROL SWITCH OPTIONS**

The Tank Alert® AB alarm system comes standard with a 15ft SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with ‘no float’ to the price of the float switch.

**SPECIFICATIONS**

**VOLTAGE FOR 120 VAC MODEL:**
- PRIMARY: 120 VAC, 50/60 Hz, 2.4 watts max. (alarm condition)
- SECONDARY: 9 VDC

**BATTERY BACKUP POWER:** 9 VDC

**ALARM ENCLOSURE:** 6 x 4 x 2.25 inches (15.24 x 10.16 x 5.71 cm), NEMA 1 plastic

**ALARM HORN:** 87 decibels at 10 feet (3 meters)

**POWER CORD:** 6 foot (1.8 meter)

**FLOAT SWITCH CONNECTION TERMINAL:** for float switch connection only (voltage across terminals is 8-9 VDC)

**FLOAT SWITCH:** SJE SignalMaster® control switch with mounting clamp
- CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water resistant (CPE)
- FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

**AUXILIARY ALARM CONTACTS (OPTIONAL):**
- NOTE: Units with auxiliary alarm contacts are CSA Certified only
- VOLTAGE: 120 VAC
- CURRENT: 5 amps maximum N/O, 3 amps maximum N/C

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*California Prop 65 requires the following: WARNING Cancer and Reproductive Harm • www.P65Warnings.ca.gov

D.6  www.sjerhombus.com • email: customer.service@sjeinc.com  SEE PRICE BOOK FOR PRICING.*
This alarm system monitors two separate liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, filters, and other water applications.

The alarm horn and red "alarm 1" LED indicator activates when an alarm 1 condition occurs. The alarm horn and yellow "alarm 2" LED indicator activates when an alarm 2 condition occurs.

A green "Power On" light indicates 120 VAC primary power to the alarm. Low battery chirp feature indicates when battery should be replaced.

The Tank Alert® AB DUO alarm system can serve as high or low level alarm or filter alarm depending on the float switch model used.

**FEATURES**

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use
- Automatic alarm reset
- Red "alarm 1" light, yellow "alarm 2" light, and green "power on" light, alarm "test" switch, and horn "silence" switch
- Alarm horn sounds at 87 decibels at 10 feet (3 meters)
- Can be used with any switching mechanism rated to include 1 amp, 9 VDC load
- If primary power fails, the alarm system continues to work due to battery backup feature (battery not included)
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock
- Low battery chirp
- Easy access battery compartment
- External terminal block for easy float switch installation

**OPTIONS**

When ordered with the alarm, the system is available with:

- Auxiliary dry normally open and normally closed contacts
TANK ALERT® AB DUO - Easy-to-install indoor alarm featuring two alarm inputs to monitor two level conditions. Includes auto reset and battery backup features.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036378</td>
<td>TA AB DUO-01H (120 VAC w/15’ SJE SignalMaster® High Level)</td>
<td>2.73 lbs.</td>
<td>$199.39</td>
</tr>
<tr>
<td>1038473</td>
<td>TA AB DUO-01H/AUX (120 VAC w/15’ SJE SignalMaster® High Level w/Auxiliary Contacts)</td>
<td>2.75 lbs.</td>
<td>$219.86</td>
</tr>
<tr>
<td>1052956</td>
<td>TA AB DUO-01X (120 VAC - no float switch)</td>
<td>1.50 lbs.</td>
<td>$154.51</td>
</tr>
</tbody>
</table>

H = High Level  X = No Float  AUX = Auxiliary Contacts  MASTER CARTON holds 16 boxed units.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:
- PRIMARY: 120 VAC, 50/60 Hz, 2.4 watts max. (alarm condition)
- SECONDARY: 9 VDC

BATTERY BACKUP POWER: 9 VDC

ALARM ENCLOSURE: 6 x 4 x 2.25 inches (15.24 x 10.16 x 5.71 cm), NEMA 1 plastic

ALARM HORN: 87 decibels at 10 feet (3 meters)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION TERMINAL: for float switch connection only (voltage across terminals is 8-9 VDC)

FLOAT SWITH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL SJOW, water resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

AUXILIARY ALARM CONTACTS (OPTIONAL):
- VOLTAGE: 120 VAC;
- CURRENT: 0.5 amps maximum

www.sjerhombus.com • email: customer.service@sjeinc.com  SEE PRICE BOOK FOR PRICING.
This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® I alarm system can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be silenced, but the warning light remains on until the condition is remedied. A green "power on" light indicates power to the alarm panel.

**FEATURES**

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use
- Red "alarm" light, green "power on" light, alarm "test" switch, and horn "silence" switch
- Alarm horn sounds at 86 decibels at 10 feet (3 meters)
- Can be used with any UL Listed / Recognized switching mechanism rated to include 1 amp, 12 VAC load
- Alarm system (when installed on separate circuit) operates even if the pump circuit fails
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock

**OPTIONS**

When ordered with the alarm, this system is available with:

- Alternate float switch models for high or low level warning
- 120 VAC primary voltage or 230 VAC primary voltage (230 VAC model is not UL Listed or CSA Certified)
TANK ALERT® I - Easy-to-install liquid level alarm system for indoor use.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>Price List</th>
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</thead>
<tbody>
<tr>
<td>1007457</td>
<td>101-01H (120 VAC w/15' SJE SignalMaster® High Level)</td>
<td>3.58 lbs</td>
<td>$164.07</td>
</tr>
<tr>
<td>1009207</td>
<td>101-01HSPKT (120 VAC w/15' SJE SignalMaster® High Level) with splice kit</td>
<td>3.58 lbs.</td>
<td>$173.07</td>
</tr>
<tr>
<td>1003104</td>
<td>101-01H (120 VAC w/15' Sensor Float® High Level)</td>
<td>3.58 lbs</td>
<td>$174.42</td>
</tr>
<tr>
<td>1003365</td>
<td>101-01L (120 VAC w/15' Sensor Float® Low Level)</td>
<td>3.58 lbs</td>
<td>$174.42</td>
</tr>
<tr>
<td>1002235</td>
<td>101-01X (120 VAC no float)</td>
<td>2.14 lbs</td>
<td>$118.41</td>
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<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (230V)</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1008009</td>
<td>101-02H (230 VAC w/15' SJE SignalMaster® High Level)</td>
<td>3.58 lbs</td>
<td>$229.69</td>
</tr>
<tr>
<td>1003364</td>
<td>101-02H (230 VAC w/15' Sensor Float® High Level)</td>
<td>3.58 lbs</td>
<td>$240.08</td>
</tr>
<tr>
<td>1005420</td>
<td>101-02L (230 VAC w/15' Sensor Float® Low Level)</td>
<td>3.58 lbs</td>
<td>$240.08</td>
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<tr>
<td>1005419</td>
<td>101-02X (230 VAC no float)</td>
<td>2.14 lbs</td>
<td>$184.05</td>
</tr>
</tbody>
</table>

H = High Level  L = Low Level  X = No Float   SPKT = Splice Kit   MASTER CARTON holds 16 boxed units.

CONTROL SWITCH OPTIONS

The Tank Alert® I alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

- PRIMARY: 120 VAC, 50/60 Hz, 5 watts max. (alarm condition)
- SECONDARY: 12 VAC

VOLTAGE FOR 230 VAC MODEL (not UL Listed or CSA Certified):

- PRIMARY: 230 VAC, 50/60 Hz, 5 watts max. (alarm condition)
- SECONDARY: 12 VAC

ALARM ENCLOSURE: 6 x 4 x 2.5 inch (15.24 x 10.16 x 6.35 cm), NEMA 1 metal

ALARM HORN: 86 decibels at 10 feet (3 meters)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION TERMINAL: For float switch connection only. Do not apply power. (Voltage across terminals is 12 VAC.)

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

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SEE PRICE BOOK FOR PRICING.
This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® EZ indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used. This easy to install alarm features an innovative, sleek 2-color molded enclosure which integrates the red LED translucent beacon.

The alarm sounds and the upper housing half illuminates when a potentially threatening liquid level condition occurs. The audible alarm can be silenced by pressing the Test/Silence button, but the alarm light will remain on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset. A green "Power On" light indicates power to the alarm panel.

**FEATURES**

- 2-color molded enclosure offers a distinct look; upper translucent half illuminates in alarm condition
- Removable lower cover provides greater access for easier field wiring while the internal circuitry remains protected
- Interlocking enclosure features unique sound chamber to amplify the horn, while helping prevent moisture from entering
- External mounting tabs for easy installation
- Enclosure meets Type 3R water-tight standards
- Enclosure has indicator marks on bottom for easy placement of cord entry locations
- Automatic alarm reset, horn silence switch, and alarm test switch
- Alarm horn sounds at 82 decibels at 10 feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if pump circuit fails
- Green power on indicator
- Includes auxiliary alarm contacts for easy attachment of remote devices

**OPTIONS**

When ordered with the alarm, the system is available with:

- Alternate float switch models for high or low liquid level warning
- Premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch, and pump power; meets NEC standard for junction boxes
- 6 foot (1.8 meter) power cord with 120 VAC plug and liquid tight connector (120V model only)
**TANK ALERT® EZ** - Easy-to-install indoor/outdoor alarm system features a removable cover to provide greater access for easier field wiring. Two-color molded enclosure integrates red LED beacon.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036589*</td>
<td>TAEZ-01H (120 VAC w/15’ SJE SignalMaster® High Level)</td>
<td>2.75 lbs.</td>
<td>$211.50</td>
</tr>
<tr>
<td>1036590</td>
<td>TAEZ-01H (120 VAC w/15’ SJE Sensor Float® High Level)</td>
<td>2.75 lbs.</td>
<td>$221.07</td>
</tr>
<tr>
<td>1036591</td>
<td>TAEZ-01X (120 VAC no float)</td>
<td>1.50 lbs.</td>
<td>$170.24</td>
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<tr>
<td>1038019</td>
<td>TAEZ-01L (120 VAC w/15’ SJE SignalMaster® Low Level)</td>
<td>2.75 lbs.</td>
<td>$211.50</td>
</tr>
<tr>
<td>1038020</td>
<td>TAEZ-01L (120 VAC w/15’ SJE Sensor Float® Low Level)</td>
<td>2.75 lbs.</td>
<td>$221.07</td>
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</table>

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V with Terminal Block)</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036592*</td>
<td>TAEZ-01HTB (120 VAC w/15’ SJE SignalMaster® High Level Terminal Block)</td>
<td>2.75 lbs.</td>
<td>$217.68</td>
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<td>1036593</td>
<td>TAEZ-01HTB (120 VAC w/15’ SJE Sensor Float® High Level Terminal Block)</td>
<td>2.75 lbs.</td>
<td>$227.28</td>
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<tr>
<td>1036594</td>
<td>TAEZ-01XTB (120 VAC no float w/Terminal Block)</td>
<td>1.50 lbs.</td>
<td>$176.28</td>
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<td>1038035</td>
<td>TAEZ-01L TB (120 VAC w/15’ SJE SignalMaster® Low Level Terminal Block)</td>
<td>2.75 lbs.</td>
<td>$217.68</td>
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<tr>
<td>1038036</td>
<td>TAEZ-01L TB (120 VAC w/15’ Sensor Float® Low Level Terminal Block)</td>
<td>2.75 lbs.</td>
<td>$227.28</td>
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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1036595</td>
<td>TAEZ-02H (240 VAC w/15’ SJE SignalMaster® High Level)</td>
<td>2.75 lbs.</td>
<td>$215.05</td>
</tr>
<tr>
<td>1036596</td>
<td>TAEZ-02X (240 VAC no float)</td>
<td>1.50 lbs.</td>
<td>$173.80</td>
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<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (240V with Terminal Block)</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036597</td>
<td>TAEZ-02HTB (240 VAC w/15’ SJE SignalMaster® High Level w/Terminal Block)</td>
<td>2.75 lbs.</td>
<td>$221.24</td>
</tr>
<tr>
<td>1036598</td>
<td>TAEZ-02XTB (240 VAC no float w/Terminal Block)</td>
<td>1.50 lbs.</td>
<td>$177.47</td>
</tr>
</tbody>
</table>

**OPTION PC**  6’ power cord with two RCC8 1/2” liquid-tight connectors (120V Model Only)  NA  $31.76

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

H = High Level  L = Low Level  X = No Float  TB = Includes Terminal Block  MASTER CARTON holds 12 boxed units.

**CONTROL SWITCH OPTIONS**

The Tank Alert® EZ alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with “no float” to the price of the float switch.

**SPECIFICATIONS**

**VOLTAGE FOR 120 VAC MODEL:**
- **PRIMARY:** 120 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)
- **SECONDARY:** 9 VDC

**VOLTAGE FOR 240 VAC MODEL:**
- **PRIMARY:** 240 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)
- **SECONDARY:** 9 VDC

**ALARM ENCLOSURE:** 6.7 x 5.3 x 2.5 inch (17.02 x 13.46 x 6.35 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R watertight standard

**ALARM HORN:** 82 decibels at 10 feet (3 meters)

**AUXILIARY ALARM CONTACTS:** 240 VAC / 30 VDC, 1.5 amps max., 50/60 Hz (circuit not supervised)

**PRE-MOUNTED TERMINAL BLOCK (OPTIONAL):** 20 amps, 120/240 VAC

**POWER CORD (OPTIONAL - 120V MODEL ONLY):** 6 foot (1.8 meter) cord with 120 VAC plug and two RCC8 1/2 inch liquid-tight connectors

**FLOAT SWITCH:** SJE SignalMaster® control switch with mounting clamp

**CABLE:** 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 PSI

**ELECTRICAL:** 5 amps, 125 VAC/250 VAC, 50/60 Hz
The Tank Alert® EZ DUO alarm system monitors two separate liquid levels or other contact closure in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® EZ DUO indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used. This easy to install alarm features an innovative, sleek 2-color molded enclosure which integrates the red LED translucent beacon.

The alarm sounds and the upper housing half illuminates when a potentially threatening liquid level condition occurs. The audible alarm can be silenced by pressing the Test/Silence button, but the alarm light will remain on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset. A green "Power On" light indicates power to the alarm panel.

**FEATURES**

- 2-color molded enclosure offers a distinct look; upper translucent half illuminates in alarm condition
- Red LED for alarm 1 and amber LED for alarm 2
- Removable lower cover provides greater access for easier field wiring while the internal circuitry remains protected
- Interlocking enclosure features unique sound chamber to amplify the horn, while helping prevent moisture from entering
- External mounting tabs for easy installation
- Enclosure meets Type 3R water-tight standards
- Enclosure has indicator marks on bottom for easy placement of cord entry locations
- Automatic alarm reset, horn silence switch, and alarm test switch
- Alarm horn sounds at 82 decibels at 10 feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if pump circuit fails
- Green power on indicator
- Includes auxiliary alarm contacts for easy attachment of remote devices

U.S. Patent Nos. 8,737,672 and D695,640
TANK ALERT® EZ DUO - Versatile, indoor or outdoor alarm system featuring two alarm inputs to monitor two level conditions.

CONTROL SWITCH OPTIONS
The Tank Alert® EZ DUO alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

PRIMARY: 120 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)
SECONDARY: 9 VDC

ALARM ENCLOSURE: 6.7 x 5.3 x 2.5 inch (17.02 x 13.46 x 6.35 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R water-tight standard

ALARM HORN: 82 decibels at 10 feet (3 meters)

AUXILIARY ALARM CONTACTS: 240 VAC / 30 VDC, 1.5 amps max., 50/60 Hz (circuit not supervised)

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp
CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)
MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

<table>
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<tr>
<th>Part #</th>
<th>Description (120V DUO ALARM)</th>
<th>Shipping Weight</th>
<th>List Price</th>
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</thead>
<tbody>
<tr>
<td>1052096</td>
<td>TAEZ-01HDUO (120 VAC w/ (2) 15’ SJE SignalMasters®)</td>
<td>3.50 lbs.</td>
<td>$343.00</td>
</tr>
<tr>
<td>1052094</td>
<td>TAEZ-01HDUO (120 VAC w/ 15’ SJE SignalMasters®)</td>
<td>2.75 lbs.</td>
<td>$299.00</td>
</tr>
<tr>
<td>1052097</td>
<td>TAEZ-01XDUO (120 VAC - no float switch)</td>
<td>1.50 lbs.</td>
<td>$255.00</td>
</tr>
</tbody>
</table>

H = High Level  X = No Float  DUO = Dual Alarm Inputs  MASTER CARTON holds 12 boxed units.

H = High Level  X = No Float  DUO = Dual Alarm Inputs  MASTER CARTON holds 12 boxed units.

See Price Book for Pricing.

D.14 www.sjehombus.com • email: customer.service@sjeinc.com
This alarm system monitors liquid levels in lift pump chambers, sump pump basins, sewage, agricultural, and other water applications.

The Tank Alert® XT indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds and the red LED beacon illuminates when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm light remains on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.

A “power on” light on the switch indicates power to the alarm panel.

**FEATURES**

- Enclosure meets Type 3R water-tight standard
- Automatic alarm reset, horn silence switch, and alarm test switch
- Alarm horn sounds at 85 decibels at 10 feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if pump circuit fails

**OPTIONS**

When ordered with the alarm, the system is available with:

- Alternate float switch models for high or low liquid level warning
- Auxiliary dry normally open contacts for easy attachment of remote devices
- Premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch, and pump power; meets NEC standard for junction boxes
- 6 foot (1.8 meter) power cord and liquid-tight connectors
TANK ALERT® XT - Versatile, indoor or outdoor liquid level alarm system.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (120V)</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1009923*</td>
<td>TAXT-01H (120 VAC w/15' SJE SignalMaster® High Level)</td>
<td>3.00 lbs.</td>
<td>$231.12</td>
</tr>
<tr>
<td>1010251</td>
<td>TAXT-01L (120 VAC w/15' SJE SignalMaster® Low Level)</td>
<td>3.00 lbs.</td>
<td>$231.12</td>
</tr>
<tr>
<td>1004442</td>
<td>TAXT-01H (120 VAC w/15' Sensor Float® High Level)</td>
<td>3.00 lbs.</td>
<td>$241.14</td>
</tr>
<tr>
<td>1005140</td>
<td>TAXT-01L (120 VAC w/15' Sensor Float® Low Level)</td>
<td>3.00 lbs.</td>
<td>$241.14</td>
</tr>
<tr>
<td>1005141</td>
<td>TAXT-01X (120 VAC no float)</td>
<td>1.50 lbs.</td>
<td>$186.03</td>
</tr>
<tr>
<td>1012416</td>
<td>TAXT-01HAUXTB (120 VAC w/15' SJE SignalMaster® High Level Aux Con TB)</td>
<td>3.50 lbs.</td>
<td>$296.55</td>
</tr>
<tr>
<td>1022241</td>
<td>TAXT-01HTB (120 VAC w/15' SJE SignalMaster® High Level TB)</td>
<td>3.50 lbs.</td>
<td>$237.86</td>
</tr>
<tr>
<td>1005481</td>
<td>TAXT-01HTB (120 VAC w/15' Sensor Float® High Level TB)</td>
<td>3.50 lbs.</td>
<td>$247.94</td>
</tr>
<tr>
<td>1005835</td>
<td>TAXT-01L TB (120 VAC w/15' Sensor Float® Low Level TB)</td>
<td>3.50 lbs.</td>
<td>$247.94</td>
</tr>
<tr>
<td>1005836</td>
<td>TAXT-01XTB (120 VAC no float TB)</td>
<td>2.00 lbs.</td>
<td>$192.63</td>
</tr>
<tr>
<td>1009214</td>
<td>TAXT-01HAUXTB (120 VAC w/15' SJE Sensor Float® High Level Aux Con TB)</td>
<td>3.50 lbs.</td>
<td>$306.63</td>
</tr>
<tr>
<td>1006850</td>
<td>TAXT-01HAUX (120 VAC w/15' Sensor Float® High Level Auxiliary Contacts)</td>
<td>3.50 lbs.</td>
<td>$299.83</td>
</tr>
<tr>
<td>1006690</td>
<td>TAXT-01HPC (120 VAC w/15' Sensor Float® High Level Power Cord)</td>
<td>3.50 lbs.</td>
<td>$273.54</td>
</tr>
<tr>
<td>1032257</td>
<td>TAXT-01HAUX (120VAC w/ 15' SJE SignalMaster® High Level Auxiliary Contacts)</td>
<td>3.1 lbs.</td>
<td>$289.91</td>
</tr>
<tr>
<td>1057473</td>
<td>TAXT-01HPC (120 VAC w/15' SJE SignalMaster® High Level Power Cord)</td>
<td>3.3 lbs.</td>
<td>$263.52</td>
</tr>
<tr>
<td>OPTION AUX</td>
<td>Auxiliary contacts (factory installed option only)</td>
<td>N/A</td>
<td>$58.69</td>
</tr>
<tr>
<td>OPTION PC</td>
<td>6' power cord with two RCC8 1/2&quot; liquid-tight connectors</td>
<td>N/A</td>
<td>$32.40</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

H = High Level    L = Low Level    X = No Float    TB = Includes Terminal Block    PC = Power Cord    AUX = Auxiliary Contacts

MASTER CARTON holds 12 boxed units.

CONTROL SWITCH OPTIONS

The Tank Alert® XT alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with “no float” to the price of the float switch.

SPECIFICATIONS

VOLTAGE: 120 VAC, 50/60 Hz
ALARM ENCLOSURE: 6.5 x 4.5 x 3 inches (16.51 x 11.43 x 7.62 cm), indoor/outdoor, weatherproof, thermoplastic, meets Type 3R water-tight standard
ALARM HORN: 85 decibels at 10 feet (3 meters), meets Type 3R water-tight standard as installed by factory
ALARM BEACON: UL Listed, Type 4X beacon assembly
TEST/SILENCE SWITCH: certified to IP66 and IP68 standards
AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amp max., 50/60 Hz
PRE-MOUNTED TERMINAL BLOCK (OPTIONAL): 20 amp, 120/230 VAC
POWER CORD: (optional) 6 foot (1.8 meters) cord with 120 VAC plug and two RCC8 1/2 inch liquid-tight connectors
FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp
CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)
MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi
ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz
This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® 4X alarm system can serve as a high or low level alarm depending on the float switch model used.

The stainless steel alarm horn sounds and red LED beacon illuminates when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm beacon remains on until the condition is remedied. Once the condition is cleared the alarm will automatically reset.

**FEATURES**

- NEMA 4X enclosure rated for indoor or outdoor use
- Automatic alarm reset and alarm test/normal/silence switch
- Alarm horn sounds at 88 decibels at 10 feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if the pump circuit fails

**OPTIONS**

When ordered with the alarm, this system is available with:

- Alternate float switch models for high or low level warning
- Auxiliary dry contacts (normally open and normally closed) for easy attachment of remote devices
TANK ALERT® 4X - Easy-to-install liquid level alarm system which has a NEMA 4X enclosure for indoor or outdoor use.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1008024</td>
<td>4X-01HSGM (120 VAC w/15' SJE SignalMaster® High Level)</td>
<td>3.40 lbs.</td>
<td>$417.62</td>
</tr>
<tr>
<td>1008026</td>
<td>4X-01LSGM (120 VAC w/15' SJE SignalMaster® Low Level)</td>
<td>3.40 lbs.</td>
<td>$417.62</td>
</tr>
<tr>
<td>1008023</td>
<td>4X-01H (120 VAC w/15' Sensor Float® High Level)</td>
<td>3.65 lbs.</td>
<td>$425.94</td>
</tr>
<tr>
<td>1008025</td>
<td>4X-01L (120 VAC w/15' Sensor Float® Low Level)</td>
<td>3.65 lbs.</td>
<td>$425.94</td>
</tr>
<tr>
<td>1008027</td>
<td>4X-01X (120 VAC no float)</td>
<td>2.10 lbs.</td>
<td>$372.20</td>
</tr>
<tr>
<td>OPTION AUX</td>
<td>Auxiliary alarm contacts (factory installed option only)</td>
<td>NA</td>
<td>$23.65</td>
</tr>
</tbody>
</table>

H = High Level  L = Low Level  X = No Float  MASTER CARTON holds 12 boxed units.

CONTROL SWITCH OPTIONS
The Tank Alert® 4X alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

SPECIFICATIONS
VOLTAGE: 120 VAC, 50/60 Hz
ALARM ENCLOSURE: 6.4 x 5.3 x 5 inches (16.2 x 13.5 x 13.34 cm), NEMA 4X, indoor-outdoor, weatherproof, UV stabilized thermoplastic
ALARM HORN: 88 decibels at 10 feet (3 meters)
ALARM BEACON: UL Listed, Type 4X beacon assembly
AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max., 50/60 Hz

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp
CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)
MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi
ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

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SEE PRICE BOOK FOR PRICING.
This innovative alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® Solar indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used.

The Tank Alert® Solar alarm utilizes a solar panel with battery backup for easy installation and operation. It's a simple, idea solution for seasonal homes, cabins in remote locations, or for retrofitting existing systems. Install the solar panel in direct sunlight for the alarm to operate properly.

The alarm horn sounds and the red LED beacon illuminates when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm light remains on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.

**FEATURES**

- NEMA 4X enclosure rated for indoor/outdoor use
- Alarm is powered by rechargeable battery via 12VDC, 10 watt solar panel (includes mounting bracket and 10 feet (3 meters) of 18/2 cable)
- (2) Lithium Ion batteries provide backup power
- (2) liquid-tight round cable connectors (RCC-8)
- Main power on/off switch
- Green power on LED indicator
- Amber battery charging LED indicator
- Red reverse battery polarity LED indicator
- Alarm will operate for up to 72 hours with no sun if not in alarm or up to 24 hours with no sun if in alarm
- Automatic alarm reset, test/silence push button switch
- Alarm horn sounds at 85 decibels at 10 feet (3 meters)
- Integral mounting tabs for easy installation
- Integral padlockable latch for added safety
- Two-year limited warranty on alarm package (including float and solar panel)
- One-year limited warranty on the Lithium-Ion batteries

**OPTIONS**

- Alternate float switch models for high or low liquid level warning

Must be installed in location with adequate sunlight for solar charging. Unit in full alarm without any solar charging will run for approximately 24 hours.

Idle unit without any solar charging will run for approximately 5 days.
TANK ALERT® SOLAR - Versatile, indoor or outdoor solar powered alarm system.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1052473</td>
<td>TA Solar Alarm, w/ 20ft SJE SignalMaster® High level, 10W Solar Panel</td>
<td>9.00 lbs.</td>
<td>$530.00</td>
</tr>
<tr>
<td>1052474</td>
<td>TA Solar Alarm, w/ 20ft SJE SignalMaster® Low level, 10W Solar Panel</td>
<td>9.00 lbs.</td>
<td>$530.00</td>
</tr>
<tr>
<td>1052475</td>
<td>TA Solar Alarm, No Float, 10W Solar Panel</td>
<td>7.50 lbs.</td>
<td>$482.00</td>
</tr>
</tbody>
</table>

CONTROL SWITCH OPTIONS
The Tank Alert® Solar alarm system comes standard with a 20 foot SJE SignalMaster® control switch with mounting clamp. Other lengths and floats switches available. See control switch section of the catalog. To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

SPECIFICATIONS

VOLTAGE: 12 VDC (solar panel)

ALARM ENCLOSURE: 8 x 6 x 4 inch (20.32 x 15.24 x 10.16 cm), indoor-outdoor, weatherproof, thermoplastic meets NEMA 4X water-tight standard

ALARM HORN: 85 decibels at 10 feet (3 meters), meets NEMA 4X water-tight standard as installed by factory

ALARM BEACON: meets NEMA 4X water-tight standard as installed by factory

TEST/SILENCE SWITCH: certified to IP66 and IP68 standards

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 20 feet (6.096 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

SOLAR PANEL: 10W, 12VDC

SOLAR PANEL DIMENSIONS: 14.06 x 11.89 x 1.18 in (35.71 x 30.20 x 3 cm)

BATTERIES: 3.7 VDC, Lithium-Ion rechargeable

SIZE: 18650, 3000mAh
The C-Con™ converts the signal from a C-Level™ CL40 sensor to simulate float levels (up to four floats). Activation levels can be conveniently set and adjusted at the C-Con™ box by using the output dials, eliminating the need to go into the tank to move float tether points. Works well in wastewater pump tanks, confined space applications, and systems with high grease content.

Note: The C-Con™ converter box can be used with most panels using control switches for pump down applications. The C-Con™ converter box is not recommended for use with plugger type panels or intrinsically safe type panels.

**FEATURES**

- NEMA 1 rated for indoor use; can be mounted in a control panel
- Green power on indicator
- Four independently adjustable output set points at the converter box with red LED status indicators
- Adjustable pump start/stop and alarm levels from converter box
- Simulate button for testing proper wiring of outputs
- Factory-installed output and power wires
- Works with most simplex or duplex control panels
- Alternative to mercury float switches
- Utilizes the innovative floatless C-Level™ Sensor (one-year limited warranty on the C-Level™ Sensor)

**OPTIONS**

This system is available with:

- C-Level™ CL40 sensor with 4’ (1.22 meters) vent tube and 20’ (6.09 meters) cable
- C-Level™ CL40 sensor with 4’ (1.22 meters) vent tube and 40’ (12.18 meters) cable
- C-Level™ CL40 sensor with 8’ (2.44 meters) vent tube and 20’ (6.09 meters) cable
- C-Level™ CL40 sensor with 8’ (2.44 meters) vent tube and 40’ (12.18 meters) cable
- Without C-Level™ CL40 sensor
C-CON™ CONVERTER BOX (120V) - Converts any float-operated control panel to utilize the C-Level™ CL40 floatless sensor.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1031031</td>
<td>C-Con™ Converter Box w/C-Level™ CL40 sensor (4 foot vent tube and 20 foot cable)</td>
<td>3.5 lbs.</td>
<td>$656.00</td>
</tr>
<tr>
<td>1031032</td>
<td>C-Con™ Converter Box w/C-Level™ CL40 sensor (4 foot vent tube and 40 foot cable)</td>
<td>4.1 lbs.</td>
<td>$691.00</td>
</tr>
<tr>
<td>1031033</td>
<td>C-Con™ Converter Box w/C-Level™ CL40 sensor (8 foot vent tube and 20 foot cable)</td>
<td>3.82 lbs.</td>
<td>$663.00</td>
</tr>
<tr>
<td>1031034</td>
<td>C-Con™ Converter Box w/C-Level™ CL40 sensor (8 foot vent tube and 40 foot cable)</td>
<td>4.42 lbs.</td>
<td>$697.00</td>
</tr>
<tr>
<td>1031067</td>
<td>C-Con™ Converter Box without C-Level™ CL40 sensor</td>
<td>1.08 lbs.</td>
<td>$324.00</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

VOLTAGE: 120 VAC, 60Hz, 44mA
OUTPUT CONTACT RATING: 3 amp, 240 VAC
ENCLOSURE: 3 x 4.25 x 1.25 inches (7.62 x 10.79 x 3.81 cm), NEMA 1 thermoplastic

www.sjerhombus.com • email: customer.service@sjeinc.com          SEE PRICE BOOK FOR PRICING.
The SJE Level Monitor™ CL system is a convenient way to monitor tank levels by utilizing a scalable LED bargraph to represent the level as a percentage of a full tank. The adjustable alarm is easy to set using the Alarm Level and Set buttons on the touch pad. As the liquid level reaches the installer-specified alarm set point, the audible alarm is activated. The audible alarm can be silenced using the Test/Silence button, but the alarm light will remain on until the condition is remedied.

**FEATURES**

- NEMA 1 rated for indoor use
- Power on and alarm indicators
- Adjustable alarm set point
- Can be calibrated for tanks ranging:
  - 12” to 40” (30.48cm to 101.60cm) for 40” C-Level™ CL40
  - 25” to 100” (63.5cm to 254cm) for 100” C-Level™ CL100
- Utilizes the innovative, floatless C-Level™ sensor
- Various cable lengths available to allow monitoring tanks up to 300 ft (91.4 meters) away
- 10 segment LED bargraph displays the tank level
- Test/Silence button
- Alarm Level button
- Set button
- Auxiliary contacts (normally open and normally closed) for Class II circuits
- Can be configured as high level, low level or no alarm
- Utilizes the innovative floatless C-Level™ Sensor (one-year limited warranty on the C-Level™ Sensor)

**OPTIONS**

This system is available with:

- C-Level™ CL40 sensor with 4’ vent tube and 20’ cable
- C-Level™ CL40 sensor with 4’ vent tube and 40’ cable
- C-Level™ CL40 sensor with 4’ vent tube and 80’ cable
- C-Level™ CL40 sensor with 4’ vent tube and 200’ cable
- C-Level™ CL100 sensor with 10’ vent tube and 20’ cable
- C-Level™ CL100 sensor with 10’ vent tube and 40’ cable
- C-Level™ CL100 sensor with 10’ vent tube and 80’ cable
- C-Level™ CL100 sensor with 10’ vent tube and 200’ cable
- Other C-Level™ CL40 and C-Level™ CL100 sensor lengths available upon request
SJE LEVEL MONITOR™ CL (120V) - Monitors tank levels by utilizing the C-Level™ floatless sensor.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1031680</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL40 sensor (4 foot vent tube &amp; 20 foot cable)</td>
<td>3.1 lbs.</td>
<td>$579.00</td>
</tr>
<tr>
<td>1031423</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL40 sensor (4 foot vent tube &amp; 40 foot cable)</td>
<td>3.7 lbs.</td>
<td>$604.00</td>
</tr>
<tr>
<td>1031424</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL40 sensor (4 foot vent tube &amp; 80 foot cable)</td>
<td>5.0 lbs.</td>
<td>$667.00</td>
</tr>
<tr>
<td>1031425</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL40 sensor (4 foot vent tube &amp; 200 foot cable)</td>
<td>7.0 lbs.</td>
<td>$811.00</td>
</tr>
<tr>
<td>1036842</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL100 sensor (10 foot vent tube &amp; 20 foot cable)</td>
<td>3.58 lbs.</td>
<td>$585.00</td>
</tr>
<tr>
<td>1036844</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL100 sensor (10 foot vent tube &amp; 40 foot cable)</td>
<td>4.18 lbs.</td>
<td>$610.00</td>
</tr>
<tr>
<td>1036845</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL100 sensor (10 foot vent tube &amp; 80 foot cable)</td>
<td>5.48 lbs.</td>
<td>$673.00</td>
</tr>
<tr>
<td>1036846</td>
<td>SJE Level Monitor™ CL w/C-Level™ CL100 sensor (10 foot vent tube &amp; 200 ft. cable)</td>
<td>7.48 lbs.</td>
<td>$817.00</td>
</tr>
<tr>
<td>1031877</td>
<td>SJE Level Monitor™ CL (no C-Level™ sensor)</td>
<td>0.83 lbs.</td>
<td>$272.00</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

VOLTAGE: 120 VAC, 50-60Hz, 0.15A Class II transformer

OUTPUT CONTACT RATING: 3 amp, Class II circuits

ENCLOSURE: 3 x 4.25 x 1.25 inches (7.62 x 10.79 x 3.81 cm), NEMA 1 thermoplastic

SEE PRICE BOOK FOR PRICING.
## Pump Switch Overview
Wide-angle pump switches directly control pumps up to 3 HP at 250 VAC. Each switch features an adjustable pumping range.

<table>
<thead>
<tr>
<th>Pump Switch</th>
<th>Type of Activation</th>
<th>Pump Control</th>
<th>Max Pump Run Current</th>
<th>Max Pump Start Current</th>
<th>Pumping Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJE PumpMaster® WPS</td>
<td>Mechanically Activated</td>
<td>1/2 HP, 120V 1 HP, 230V</td>
<td>13A, 120V 13A, 230V</td>
<td>85A, 120V 85A, 230V</td>
<td>7 - 36 in (18 - 91 cm)</td>
</tr>
<tr>
<td>SJE PumpMaster®</td>
<td>Mechanically Activated</td>
<td>1/2 HP, 120V 1 HP, 230V</td>
<td>13A, 120V 13A, 230V</td>
<td>85A, 120V 85A, 230V</td>
<td>7 - 36 in (18 - 91 cm)</td>
</tr>
<tr>
<td>Double Float® Master</td>
<td>Mechanically Activated</td>
<td>15 FLA, 90LRA 120 or 240V</td>
<td>15A, 120V 15A, 240V</td>
<td>90A, 120V 90A, 240V</td>
<td>3 - 48 in (7.6 - 122 cm)</td>
</tr>
<tr>
<td>SJE AmpMaster®</td>
<td>Mechanically Activated</td>
<td>1 1/2 HP, 125V 3 HP, 250V</td>
<td>20A, 125V 20A, 250V</td>
<td>120A, 125V 120A, 250V</td>
<td>9 - 24 in (23 - 61 cm)</td>
</tr>
<tr>
<td>SJE VerticalMaster®</td>
<td>Mechanically Activated</td>
<td>1/2 HP, 120V 1 HP, 230V</td>
<td>13A, 120V 12A, 230V</td>
<td>60A, 120V 60A, 230V</td>
<td>.75 - 6.5 in (2 - 17 cm)</td>
</tr>
<tr>
<td>SJE MicroMaster® AC/DC</td>
<td>Mechanically Activated</td>
<td>Use pump run and start current</td>
<td>10A, 12VDC 10A, 125VAC 8A, 250VAC</td>
<td>100A, 12VDC 60A, 125V 60A, 250V</td>
<td>8 - 36 in (20 - 91 cm)</td>
</tr>
<tr>
<td>SJE MicroMaster® Plus WS</td>
<td>Mechanically Activated</td>
<td>Use pump run and start current</td>
<td>13A, 125V 12A, 250V</td>
<td>78A, 125V 72A, 250V</td>
<td>8 - 36 in (20 - 91 cm)</td>
</tr>
<tr>
<td>SJE HiTempMaster™</td>
<td>Mechanically Activated</td>
<td>Use pump run and start current</td>
<td>13A, 125V 12A, 250V</td>
<td>78A, 125V 72A, 250V</td>
<td>8 - 36 in (20 - 91 cm)</td>
</tr>
</tbody>
</table>

California Prop 65 requires the following: ☢️WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov
The SJE PumpMaster® WPS mechanically-activated, wide-angle pump switch is designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC or control applications as low as 120 VAC, 100 mA for:

- potable water applications
- water applications

It can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

The SJE PumpMaster® WPS float switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw)
- Heavy-duty contacts
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC or control applications as low as 120 VAC, 100 mA
- For direct wiring applications
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm)
- Includes external cable weight and boxed packaging
- CSA Certified to meet NSF/ANSI 61 standard for use in potable water; approved for use in tanks of 250 US gallons (950L) in volume or greater per float
SJE PUMPMASTER® WPS PUMP SWITCH - Mechanically activated, wide angle float switch designed for use in potable water applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1047427</td>
<td>15PMWPSWE</td>
<td>3.3 lbs.</td>
<td>$107.03</td>
</tr>
<tr>
<td>1053697</td>
<td>30PMWPSWE</td>
<td>5.1 lbs.</td>
<td>$137.14</td>
</tr>
</tbody>
</table>

WE = Weighted Externally
Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

EXTERNAL WEIGHT is standard.
PACKAGING: Boxed - standard

SPECIFICATIONS
CABLE: Flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 x 9.04 cm) high impact, corrosion resistant, PVC housing for use in potable water and water up to 140°F (60°C)

ELECTRICAL: 120/230 VAC 50/60 Hz, 13 FLA, 85 LRA

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

Minimum Electrical Load: 120 VAC, 100 mA

NOTE: This switch is not intended to control non-arcing loads.

OTHER INFORMATION
PUMP DOWN is normally open contacts for emptying applications.
PUMP UP is normally closed contacts for filling applications.

www.sjerhombus.com • email: customer.service@sjeinc.com
SEE PRICE BOOK FOR PRICING.
The SJE PumpMaster® mechanically-activated, wide-angle pump switch is designed for direct control of pumps at 1/2 HP at 120 VAC and 1 HP at 230 VAC for:

- water applications
- sewage applications

The SJE PumpMaster® pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Heavy-duty contacts
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
SJE PUMPMASTER® PUMP SWITCH - Mechanically activated, wide angle switch designed to control pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

**PUMPING RANGE:** 7 to 36 inches (18 cm to 91 cm)

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

**ELECTRICAL:**

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

**DIRECT WIRING:** Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.

**SPECIFICATIONS**

**PUMP DOWN** is normally open contacts for emptying in water and sewage applications.

**PUMP UP** is normally closed contacts for filling in water and sewage applications.

**MOUNTING CLAMP** is standard.

**CABLE WEIGHT MOUNTING** is also available. **QUICK FIT** piggy-back plug and float are separate to allow for quick fit installation.

**PACKAGING:** Boxed - Standard

**ADDITIONAL CABLE:** Longer cable lengths available.

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

**ADDITIONAL INFORMATION**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002630</td>
<td>10PMD1WP</td>
<td>1002707</td>
<td>10PMU1WP</td>
<td>1.64 lbs.</td>
<td>$75.76</td>
</tr>
<tr>
<td>1002714</td>
<td>10PMD2WP</td>
<td>1002709</td>
<td>10PMU2WP</td>
<td>1.68 lbs.</td>
<td>$78.43</td>
</tr>
<tr>
<td>1002712</td>
<td>10PMDWOP</td>
<td>1002706</td>
<td>10PMUWOP</td>
<td>1.56 lbs.</td>
<td>$66.54</td>
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<tr>
<td>1002715*</td>
<td>15PMD1WP</td>
<td>1002721</td>
<td>15PMU1WP</td>
<td>1.89 lbs.</td>
<td>$79.86</td>
</tr>
<tr>
<td>1002717</td>
<td>15PMD2WP</td>
<td>1002723</td>
<td>15PMU2WP</td>
<td>1.93 lbs.</td>
<td>$82.50</td>
</tr>
<tr>
<td>1002719</td>
<td>15PMDWOP</td>
<td>1002725*</td>
<td>15PMUWOP</td>
<td>1.82 lbs.</td>
<td>$70.62</td>
</tr>
<tr>
<td>1036754</td>
<td>15PMD1WP-QF</td>
<td></td>
<td></td>
<td>1.95 lbs.</td>
<td>$84.60</td>
</tr>
<tr>
<td>1002727*</td>
<td>20PMD1WP</td>
<td>1002733</td>
<td>20PMU1WP</td>
<td>2.28 lbs.</td>
<td>$84.12</td>
</tr>
<tr>
<td>1002729</td>
<td>20PMD2WP</td>
<td>1002735</td>
<td>20PMU2WP</td>
<td>2.32 lbs.</td>
<td>$86.60</td>
</tr>
<tr>
<td>1002731</td>
<td>20PMDWOP</td>
<td>1002737</td>
<td>20PMUWOP</td>
<td>2.20 lbs.</td>
<td>$74.71</td>
</tr>
<tr>
<td>1002739</td>
<td>30PMD1WP</td>
<td>1002745</td>
<td>30PMU1WP</td>
<td>2.94 lbs.</td>
<td>$92.78</td>
</tr>
<tr>
<td>1002741</td>
<td>30PMD2WP</td>
<td>1002747</td>
<td>30PMU2WP</td>
<td>2.99 lbs.</td>
<td>$95.44</td>
</tr>
<tr>
<td>1002743</td>
<td>30PMDWOP</td>
<td>1002749</td>
<td>30PMUWOP</td>
<td>2.86 lbs.</td>
<td>$83.55</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

D = Pump Down  U = Pump Up  1 = 120 VAC  2 = 230 VAC  WP = With Plug  WOP = With Out Plug  QF = Quick Fit

www.sjerhombus.com • email: customer.service@sjeinc.com • SEE PRICE BOOK FOR PRICING.
The SJE PumpMaster® Plus mechanically-activated, wide-angle pump switch is designed for direct control of pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC for:

- water applications
- sewage applications

The SJE PumpMaster® Plus pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Heavy-duty contacts
- Controls pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)

UL Recognized for Water & Sewage
**SJE PUMPMASTER® PLUS PUMP SWITCH** - Mechanically activated, wide angle switch designed to control pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC.

<table>
<thead>
<tr>
<th>Part #</th>
<th>PUMP DOWN Description</th>
<th>Part #</th>
<th>PUMP UP Description</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003232</td>
<td>10PMPD1WP</td>
<td>1003237</td>
<td>10PMPU1WP</td>
<td>1.88 lbs.</td>
<td>$98.05</td>
</tr>
<tr>
<td>1003233</td>
<td>10PMPD2WP</td>
<td>1003239</td>
<td>10PMPU2WP</td>
<td>1.92 lbs.</td>
<td>$101.66</td>
</tr>
<tr>
<td>1003235</td>
<td>10PMPDWP</td>
<td>1003241</td>
<td>10PMPUWOP</td>
<td>1.73 lbs.</td>
<td>$90.12</td>
</tr>
<tr>
<td>1003243*</td>
<td>15PMPD1WP</td>
<td>1003249</td>
<td>15PMPU1WP</td>
<td>2.23 lbs.</td>
<td>$103.38</td>
</tr>
<tr>
<td>1003245</td>
<td>15PMPD2WP</td>
<td>1003251</td>
<td>15PMPU2WP</td>
<td>2.23 lbs.</td>
<td>$105.99</td>
</tr>
<tr>
<td>1003247</td>
<td>15PMPDWP</td>
<td>1003253</td>
<td>15PMPUWOP</td>
<td>2.13 lbs.</td>
<td>$94.42</td>
</tr>
<tr>
<td>1036797</td>
<td>15PMPD1WP-QF</td>
<td></td>
<td></td>
<td>2.50 lbs.</td>
<td>$106.44</td>
</tr>
<tr>
<td>1003255</td>
<td>20PMPD1WP</td>
<td>1003261</td>
<td>20PMPU1WP</td>
<td>2.57 lbs.</td>
<td>$107.69</td>
</tr>
<tr>
<td>1003257</td>
<td>20PMPD2WP</td>
<td>1003263</td>
<td>20PMPU2WP</td>
<td>2.61 lbs.</td>
<td>$110.27</td>
</tr>
<tr>
<td>1003259</td>
<td>20PMPDWP</td>
<td>1003265</td>
<td>20PMPUWOP</td>
<td>2.49 lbs.</td>
<td>$98.76</td>
</tr>
<tr>
<td>1003267</td>
<td>30PMPD1WP</td>
<td>1003273</td>
<td>30PMPU1WP</td>
<td>3.38 lbs.</td>
<td>$117.17</td>
</tr>
<tr>
<td>1003269</td>
<td>30PMPD2WP</td>
<td>1003275</td>
<td>30PMPU2WP</td>
<td>3.41 lbs.</td>
<td>$119.76</td>
</tr>
<tr>
<td>1003271</td>
<td>30PMPDWP</td>
<td>1003277</td>
<td>30PMPUWOP</td>
<td>3.30 lbs.</td>
<td>$108.19</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.*

**D** = Pump Down  **U** = Pump Up  **1** = 120 VAC  **2** = 230 VAC  **WP** = With Plug  **WOP** = Without Plug  **QF** = Quick Fit

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

**MOUNTING CLAMP** is standard.

**CABLE WEIGHT MOUNTING** is also available. **QUICK FIT** piggy-back plug and float are separate to allow for quick fit installation.

**PACKAGING:** Boxed - Standard

**ADDITIONAL CABLE:** Longer cable lengths available.

## SPECIFICATIONS

**PUMPING RANGE:** 7 to 36 inches (18 cm to 91 cm)

**CABLE:** Flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

## ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage 50Hz/60Hz Single Phase</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>15 amps</td>
<td>85 amps</td>
<td>3/4 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>15 amps</td>
<td>85 amps</td>
<td>2 HP or less</td>
</tr>
</tbody>
</table>

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

## OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying in water or sewage applications.

**PUMP UP** is normally closed contacts for filling in water or sewage applications.

**DIRECT WIRING:** Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.
The SJE PumpMaster® SPDT mechanically-activated, wide-angle pump switch is designed for direct control of pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC for:

- water applications
- sewage applications

It can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

The SJE PumpMaster® SPDT pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw)
- Heavy-duty contacts
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC
- For direct wiring in 120 or 230 VAC applications
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**

This switch is available:

- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).
SJE PUMPMASTER® SPDT PUMP SWITCH - Mechanically activated, wide angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description - Pump Down or Pump Up</th>
<th>Shipping Weight</th>
<th>Price List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1004834</td>
<td>10PMSPDTPC</td>
<td>1.81 lbs.</td>
<td>$73.07</td>
</tr>
<tr>
<td>1004835</td>
<td>10PMSPDTWE</td>
<td>3.05 lbs.</td>
<td>$82.74</td>
</tr>
<tr>
<td>1004836</td>
<td>15PMSPDTPC</td>
<td>2.21 lbs.</td>
<td>$77.66</td>
</tr>
<tr>
<td>1004837</td>
<td>15PMSPDTWE</td>
<td>3.45 lbs.</td>
<td>$88.75</td>
</tr>
<tr>
<td>1004838*</td>
<td>20PMSPDTPC</td>
<td>2.61 lbs.</td>
<td>$81.87</td>
</tr>
<tr>
<td>1004839</td>
<td>20PMSPDTWE</td>
<td>3.85 lbs.</td>
<td>$91.54</td>
</tr>
<tr>
<td>1004840</td>
<td>30PMSPDTPC</td>
<td>3.41 lbs.</td>
<td>$86.24</td>
</tr>
<tr>
<td>1004841</td>
<td>30PMSPDTWE</td>
<td>4.65 lbs.</td>
<td>$101.45</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

PC = Pipe Clamp  WE = Weighted Externally

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING CLAMP is standard.

CABLE WEIGHT MOUNTING is also available.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SJE PUMPMASTER® SPDT PUMP SWITCH

**SPECIFICATIONS**

PUMPING RANGE: 7 to 36 inches (18 cm to 91 cm)

CABLE: flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

**ELECTRICAL:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>13 amps</td>
<td>85 amps</td>
<td>1/2 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>13 amps</td>
<td>85 amps</td>
<td>1 HP or less</td>
</tr>
</tbody>
</table>

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

**OTHER INFORMATION**

PUMP DOWN is normally open contacts for emptying in water or sewage applications.

PUMP UP is normally closed contacts for filling in water or sewage applications.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.
The Double Float® Master mechanically-activated pump switch is designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC for:

- non-potable water applications
- sewage applications

It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The Double Float® Master pump switch consists of two mechanical floats and a splice tube. The splice tube contains a holding relay which enables the floats to function in series.

The holding relay eliminates pump chatter in turbulent conditions allowing the Double Float® Master pump switch to operate relay control panels for larger pump applications.

**FEATURES**

- Controls pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC
- Adjustable pumping range of 3 to 48 inches (7.6 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available
- Includes standard mounting clamps and boxed packaging

**OPTIONS**

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 120 VAC or 240 VAC piggy-back plug
- without a plug for direct wiring (120 VAC units can only be used with 120 VAC applications within specified amp ratings; 240 VAC units can only be used with 240 VAC applications within specified amp ratings)
- in standard cable lengths of 15, 20, or 30 feet and 5, 6 or 10 meters (longer lengths available)
DOUBLE FLOAT MASTER® PUMP SWITCH - Mechanically-activated, wide-angle switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1016864*</td>
<td>15DFMMD1WP</td>
<td>1017668</td>
<td>15DFMMU1WP</td>
<td>3.63 lbs.</td>
<td>$166.20</td>
</tr>
<tr>
<td>1017657</td>
<td>15DFMMD2WP</td>
<td>1017669</td>
<td>15DFMMU2WP</td>
<td>3.64 lbs.</td>
<td>$170.69</td>
</tr>
<tr>
<td>1017658</td>
<td>15DFMMD1WOP</td>
<td>1017670</td>
<td>15DFMMU1WOP</td>
<td>3.55 lbs.</td>
<td>$156.36</td>
</tr>
<tr>
<td>1017659</td>
<td>15DFMMD2WOP</td>
<td>1017671</td>
<td>15DFMMU2WOP</td>
<td>3.51 lbs.</td>
<td>$159.67</td>
</tr>
<tr>
<td>1017660</td>
<td>20DFMMD1WP</td>
<td>1017672</td>
<td>20DFMMU1WP</td>
<td>4.04 lbs.</td>
<td>$172.42</td>
</tr>
<tr>
<td>1017661</td>
<td>20DFMMD2WP</td>
<td>1017673</td>
<td>20DFMMU2WP</td>
<td>4.08 lbs.</td>
<td>$176.89</td>
</tr>
<tr>
<td>1017662</td>
<td>20DFMMD1WOP</td>
<td>1017674</td>
<td>20DFMMU1WOP</td>
<td>3.97 lbs.</td>
<td>$162.61</td>
</tr>
<tr>
<td>1017663</td>
<td>20DFMMD2WOP</td>
<td>1017675</td>
<td>20DFMMU2WOP</td>
<td>4.01 lbs.</td>
<td>$165.87</td>
</tr>
<tr>
<td>1017664</td>
<td>30DFMMD1WP</td>
<td>1017676</td>
<td>30DFMMU1WP</td>
<td>4.95 lbs.</td>
<td>$185.68</td>
</tr>
<tr>
<td>1017665</td>
<td>30DFMMD2WP</td>
<td>1017677</td>
<td>30DFMMU2WP</td>
<td>4.99 lbs.</td>
<td>$190.14</td>
</tr>
<tr>
<td>1017666</td>
<td>30DFMMD1WOP</td>
<td>1017678</td>
<td>30DFMMU1WOP</td>
<td>4.86 lbs.</td>
<td>$176.01</td>
</tr>
<tr>
<td>1017667</td>
<td>30DFMMD2WOP</td>
<td>1017679</td>
<td>30DFMMU2WOP</td>
<td>4.87 lbs.</td>
<td>$179.13</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

D = Pump Down  U = Pump Up  1 = 120 VAC  2 = 230 VAC  WP = With Plug  WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (15, 20, 30).
PACKAGING: Boxed - Standard
ADDITIONAL CABLE: Longer cable lengths available.

### SPECIFICATIONS

**PUMPING RANGE:** 3 to 48 inches (7.6 cm to 122 cm), increased pumping range available. Call factory for quote.

**CABLE ATTACHED TO FLOAT HOUSING:** flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**CABLE ABOVE SPLICE:** flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant thermoplastic

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 140°F (60°C)

### ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage 50Hz/60Hz Single Phase</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>15 amps</td>
<td>90 amps</td>
</tr>
<tr>
<td>240 VAC</td>
<td>15 amps</td>
<td>90 amps</td>
</tr>
</tbody>
</table>

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

### OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying.

**PUMP UP** is normally closed contacts for filling.

**DIRECT WIRING:**

- 120 VAC units used for direct wiring (without plug) can only be used with 120 VAC applications within specified amp ratings.
- 240 VAC units used for direct wiring (without plug) can only be used with 240 VAC applications within specified amp ratings.

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California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

F.10 www.sjerhombus.com • email: customer.service@sjeinc.com SEE PRICE BOOK FOR PRICING.
The SJE AmpMaster® mechanically-activated, wide-angle 20 amp rated pump switch is designed for direct control of pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC for:

- grinder applications
- high head sewage pump applications
- lift station applications
- septic tank effluent pump (STEP) systems

The SJE AmpMaster® pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

It is available for pump down applications only.

**FEATURES**

- Maximum pump running current of 20 amps
- Heavy-duty contacts mounted on high-conductivity copper substrates
- Controls pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC
- Second set of non-conductive contacts enhance switch activation
- For direct wiring in 125 VAC or 250 VAC applications (piggy-back plug model not available)
- Adjustable pumping range of 9 to 24 inches (23 to 61 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**

This switch is available:

- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
SJE AMPMASTER® PUMP SWITCH - Mechanically-activated, wide-angle 20 amp rated switch designed to control pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Pump Down - Without Plug Only)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006310</td>
<td>10AMDWOP</td>
<td>1.79 lbs.</td>
<td>$133.07</td>
</tr>
<tr>
<td>1006311</td>
<td>15AMDWOP</td>
<td>2.27 lbs.</td>
<td>$139.27</td>
</tr>
<tr>
<td>1006312</td>
<td>20AMDWOP</td>
<td>2.72 lbs.</td>
<td>$145.44</td>
</tr>
<tr>
<td>1006313</td>
<td>30AMDWOP</td>
<td>3.12 lbs.</td>
<td>$158.79</td>
</tr>
</tbody>
</table>

D = Pump Down  WOP = With Out Plug

MOUNTING CLAMP is standard.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 9 to 24 inches (23 cm to 61 cm)

CABLE: Flexible 12 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 120°F (50°C)

ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 VAC</td>
<td>20 amps</td>
<td>120 amps</td>
<td>1/2 HP or less</td>
</tr>
<tr>
<td>250 VAC</td>
<td>20 amps</td>
<td>120 amps</td>
<td>3 HP or less</td>
</tr>
</tbody>
</table>

NOTE: This switch must be used with pumps that provide integral thermal overload protection. Certain pump applications may require the use of an external capacitor start kit.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying. Available in pump down version only.

DIRECT WIRING: Units may be used with either 125 VAC or 250 VAC applications within specified amp ratings.
The SJE VerticalMaster® mechanically-activated pump switch is designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC for:
- non-potable water applications
- sewage applications
- limited space applications

It works well in small sump chambers, effluent applications, and laundry trays, as well as in large tanks.

The SJE VerticalMaster® pump switch is not sensitive to turbulence.

It is available for pump down applications only.

**FEATURES**

- Heavy-duty contacts
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC
- Adjustable pumping range of .75 to 6.5 inches (2 to 17 cm)

**OPTIONS**

This switch is available:
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
SJE VERTICALMASTER® PUMP SWITCH - Mechanically-activated pump switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC in limited space applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Pump Down Only)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003590*</td>
<td>10VM1WP</td>
<td>1.73 lbs.</td>
<td>$81.45</td>
</tr>
<tr>
<td>1003772</td>
<td>10VM2WP</td>
<td>1.77 lbs.</td>
<td>$84.13</td>
</tr>
<tr>
<td>1003776</td>
<td>10VMWOP</td>
<td>1.65 lbs.</td>
<td>$71.77</td>
</tr>
<tr>
<td>1003769</td>
<td>15VM1WP</td>
<td>2.08 lbs.</td>
<td>$85.59</td>
</tr>
<tr>
<td>1003773</td>
<td>15VM2WP</td>
<td>2.12 lbs.</td>
<td>$88.40</td>
</tr>
<tr>
<td>1003777</td>
<td>15VMWOP</td>
<td>2.00 lbs.</td>
<td>$76.01</td>
</tr>
<tr>
<td>1003770</td>
<td>20VM1WP</td>
<td>2.43 lbs.</td>
<td>$89.84</td>
</tr>
<tr>
<td>1003774</td>
<td>20VM2WP</td>
<td>2.47 lbs.</td>
<td>$92.61</td>
</tr>
<tr>
<td>1003778</td>
<td>20VMWOP</td>
<td>2.35 lbs.</td>
<td>$80.25</td>
</tr>
<tr>
<td>1003771</td>
<td>30VM1WP</td>
<td>3.13 lbs.</td>
<td>$99.08</td>
</tr>
<tr>
<td>1003775</td>
<td>30VM2WP</td>
<td>3.17 lbs.</td>
<td>$102.08</td>
</tr>
<tr>
<td>1003779</td>
<td>30VMWOP</td>
<td>3.05 lbs.</td>
<td>$89.50</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

1 = 120VAC   2 = 230VAC   WP = With Plug   WOP = Without Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING BRACKET and HOSE CLAMP are standard.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

### SPECIFICATIONS

**PUMPING RANGE:** 0.75 to 6.5 inches (2 cm to 17 cm)

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW or SJTOW, water-resistant (CPE).

**MOUNTING BRACKET AND CLAMP:** stainless steel

**LIFT ROD:** injection molded acetal plastic

**FLOAT STOP:** neoprene

**SWITCH AND FLOAT HOUSING:** high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 125°F (52°C)

- Overall dimensions: 12 inch high x 5 inch x 3 inch wide (30.5 cm x 12.7 cm x 7.6 cm)
- Switch housing dimensions: 2 inch high x 2.8 inch diameter (5 cm x 7.1 cm)
- Float housing dimensions: 2.3 inch high x 2.8 inch diameter (5.8 cm x 6.9 cm)

**ELECTRICAL:**

<table>
<thead>
<tr>
<th>Voltage 50Hz/60Hz Single Phase</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>13 amps</td>
<td>60 amps</td>
<td>1/2 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>12 amps</td>
<td>60 amps</td>
<td>1 HP or less</td>
</tr>
</tbody>
</table>

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

### OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying.

**DIRECT WIRING:** Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.
The SJE MicroMaster® AC/DC mechanically-activated, wide-angle pump switch provides direct control of pumps for:

- water applications
- sewage applications

This SJE MicroMaster® AC/DC pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Adjustable pump range of 8 to 36 inches (20 to 91 cm)

**OPTIONS**

This switch is available:

- for pump down or pump up applications as specified by part number
- without a plug for direct wiring
- in standard cable length of 15 feet (5 meters)
SJE MICROMASTER® AC/DC PUMP SWITCH - Mechanically-activated, wide-angle switch designed for performance and dependability.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1009813</td>
<td>15MMDCDWOP</td>
<td>1012543</td>
<td>15MMDCUWOP</td>
</tr>
</tbody>
</table>

D = Pump Down  U = Pump Up  WOP = With Out Plug

MOUNTING CLAMP is standard.

PACKAGING: Bagged - Standard

**SPECIFICATIONS**

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

**ELECTRICAL:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 VDC</td>
<td>10 amps</td>
<td>100 amps</td>
</tr>
<tr>
<td>125 VAC</td>
<td>10 amps</td>
<td>60 amps</td>
</tr>
<tr>
<td>250 VAC</td>
<td>8 amps</td>
<td>60 amps</td>
</tr>
</tbody>
</table>

**NOTE:** This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

**OTHER INFORMATION**

PUMP DOWN is normally open contacts for emptying in water or sewage applications.

PUMP UP is normally closed contacts for filling in water or sewage applications.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in 12 VDC, 125 VAC or 250 VAC applications within specified amp ratings.
The SJE MicroMaster® mechanically-activated, wide-angle pump switch designed specifically as a mechanical alternative to the mercury-activated Junior Super Single(R) pump switch for:

- water applications
- sewage applications

This SJE MicroMaster® Plus WS pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Adjustable pump range of 8 to 36 inches (20 to 91 cm)

**OPTIONS**

This switch is available:

- for pump down or pump applications as specified by part number
- with a 125 VAC or 250 VAC piggy back plug
- without a plug for direct wiring in 125 VAC or 250 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
SJE MICROMASTER® PLUS WS PUMP SWITCH - Mechanically-activated, wide-angle switch designed for performance and dependability.

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 VAC</td>
<td>13 amps</td>
<td>78 amps</td>
</tr>
<tr>
<td>250 VAC</td>
<td>12 amps</td>
<td>72 amps</td>
</tr>
</tbody>
</table>

NOTE: This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in water or sewage applications.

PUMP UP is normally closed contacts for filling in water or sewage applications.

D = Pump Down  U = Pump Up  1 = 125VAC  2 = 250VAC  WP = With Plug  WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING CLAMP is standard.

CABLE WEIGHT MOUNTING is also available.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

DIRECT WIRING: Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

ADDITIONAL CABLE: Longer cable lengths available.

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

NOTE: This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

ADDITIONAL CABLE: Longer cable lengths available.

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING CLAMP is standard.

CABLE WEIGHT MOUNTING is also available.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 VAC</td>
<td>13 amps</td>
<td>78 amps</td>
</tr>
<tr>
<td>250 VAC</td>
<td>12 amps</td>
<td>72 amps</td>
</tr>
</tbody>
</table>

NOTE: This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

ADDITIONAL CABLE: Longer cable lengths available.

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING CLAMP is standard.

CABLE WEIGHT MOUNTING is also available.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 VAC</td>
<td>13 amps</td>
<td>78 amps</td>
</tr>
<tr>
<td>250 VAC</td>
<td>12 amps</td>
<td>72 amps</td>
</tr>
</tbody>
</table>

NOTE: This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

ADDITIONAL CABLE: Longer cable lengths available.
The Junior Super Single® mercury-activated, wide-angle pump switch is designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC for

- non-potable water applications
- sewage applications

Although this switch is not sensitive to rotation, it is affected by turbulence and should be mounted in a non-turbulent location.

The Junior Super Single® pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.

**FEATURES**

- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC
- Adjustable pumping range of 6.5 to 19 inches (16.5 to 48 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
**JUNIOR SUPER SINGLE® PUMP SWITCH** - Mercury-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

**Specifications**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001896</td>
<td>10JSD1WP</td>
<td>1001918</td>
<td>10JSU1WP</td>
<td>1.45 lbs.</td>
<td>$96.19</td>
</tr>
<tr>
<td>1001914</td>
<td>10JSD2WP</td>
<td>1001921</td>
<td>10JSU2WP</td>
<td>1.48 lbs.</td>
<td>$99.31</td>
</tr>
<tr>
<td>1001916</td>
<td>10JSDWOP</td>
<td>1001923</td>
<td>10JSUWOP</td>
<td>1.37 lbs.</td>
<td>$85.00</td>
</tr>
<tr>
<td>1001817</td>
<td>15JSD1WP</td>
<td>1001930</td>
<td>15JSU1WP</td>
<td>1.77 lbs.</td>
<td>$100.96</td>
</tr>
<tr>
<td>1001926</td>
<td>15JSD2WP</td>
<td>1001932</td>
<td>15JSU2WP</td>
<td>1.81 lbs.</td>
<td>$104.31</td>
</tr>
<tr>
<td>1001928</td>
<td>15JSDWOP</td>
<td>1001934</td>
<td>15JSUWOP</td>
<td>1.68 lbs.</td>
<td>$89.95</td>
</tr>
<tr>
<td>1001898</td>
<td>20JSD1WP</td>
<td>1001941</td>
<td>20JSU1WP</td>
<td>2.11 lbs.</td>
<td>$105.97</td>
</tr>
<tr>
<td>1001937</td>
<td>20JSD2WP</td>
<td>1001943</td>
<td>20JSU2WP</td>
<td>2.14 lbs.</td>
<td>$109.28</td>
</tr>
<tr>
<td>1001939</td>
<td>20JSDWOP</td>
<td>1001945</td>
<td>20JSUWOP</td>
<td>2.03 lbs.</td>
<td>$94.97</td>
</tr>
<tr>
<td>1001900</td>
<td>30JSD1WP</td>
<td>1001952</td>
<td>30JSU1WP</td>
<td>2.82 lbs.</td>
<td>$116.77</td>
</tr>
<tr>
<td>1001948</td>
<td>30JSD2WP</td>
<td>1001954</td>
<td>30JSU2WP</td>
<td>2.86 lbs.</td>
<td>$119.90</td>
</tr>
<tr>
<td>1001950</td>
<td>30JSDWOP</td>
<td>1001956</td>
<td>30JSUWOP</td>
<td>2.74 lbs.</td>
<td>$105.59</td>
</tr>
</tbody>
</table>

D = Pump Down  U = Pump Up  1 = 120 VAC  2 = 230 VAC  WP = With Plug  WOP = With Out Plug

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

**Mounting Clamp** is standard.

**Packaging:** Boxed - Standard

**Additional Cable:** Longer cable lengths available.

**Specifications**

**Pumping Range:** 6.5 to 19 inches (16.5 cm to 48 cm)

**Cable:** Flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**Float:** 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

**Mercury Switch:** Mercury-to-metal contacts, hermetically sealed in a steel capsule

**Electrical:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>13 amps</td>
<td>40 amps</td>
<td>1/2 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>8 amps</td>
<td>20 amps</td>
<td>1 HP or less</td>
</tr>
</tbody>
</table>

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection. This switch is not designed to be directly wired to relays or motor contactors.

**Other Information**

**Pump Down** is normally open contacts for emptying.

**Pump Up** is normally closed contacts for filling.

**Direct Wiring:** Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.

**California Prop 65 Requires the Following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

See Price Book for Pricing.
The Super Single® mercury-activated, wide-angle pump switch is designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC for:
- non-potable water applications
- sewage applications

This switch is not sensitive to rotation or turbulence.

The Super Single® pump switch is suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.

**FEATURES**
- Patented tumbler assembly gives positive pump on or pump off
- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC
- Adjustable pumping range of 6.5 to 13.5 inches (16.5 to 34 cm)
- Includes standard mounting clamp and boxed packaging

**OPTIONS**
This switch is available:
- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
SUPER SINGLE® PUMP SWITCH - Mercury-activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001958</td>
<td>10SSD1WP</td>
<td>1001965</td>
<td>10SSU1WP</td>
<td>1.75 lbs.</td>
<td>$166.85</td>
</tr>
<tr>
<td>1001961</td>
<td>10SSD2WP</td>
<td>1001967</td>
<td>10SSU2WP</td>
<td>1.76 lbs.</td>
<td>$170.26</td>
</tr>
<tr>
<td>1001963</td>
<td>10SSDWOP</td>
<td>1001969</td>
<td>10SSUWOP</td>
<td>1.65 lbs.</td>
<td>$155.66</td>
</tr>
<tr>
<td>1001971</td>
<td>15SSD1WP</td>
<td>1001977</td>
<td>15SSU1WP</td>
<td>2.15 lbs.</td>
<td>$172.37</td>
</tr>
<tr>
<td>1001973</td>
<td>15SSD2WP</td>
<td>1001979</td>
<td>15SSU2WP</td>
<td>2.18 lbs.</td>
<td>$175.51</td>
</tr>
<tr>
<td>1001975</td>
<td>15SSDWOP</td>
<td>1001981</td>
<td>15SSUWOP</td>
<td>2.08 lbs.</td>
<td>$160.92</td>
</tr>
<tr>
<td>1001983</td>
<td>20SSD1WP</td>
<td>1001989</td>
<td>20SSU1WP</td>
<td>2.67 lbs.</td>
<td>$177.49</td>
</tr>
<tr>
<td>1001985</td>
<td>20SSD2WP</td>
<td>1001991</td>
<td>20SSU2WP</td>
<td>2.71 lbs.</td>
<td>$180.62</td>
</tr>
<tr>
<td>1001987</td>
<td>20SSDWP</td>
<td>1001993</td>
<td>20SSUWOP</td>
<td>2.56 lbs.</td>
<td>$166.02</td>
</tr>
<tr>
<td>1001988</td>
<td>30SSD1WP</td>
<td>1002000</td>
<td>30SSU1WP</td>
<td>3.35 lbs.</td>
<td>$189.30</td>
</tr>
<tr>
<td>1001996</td>
<td>30SSD2WP</td>
<td>1002002</td>
<td>30SSU2WP</td>
<td>3.39 lbs.</td>
<td>$192.68</td>
</tr>
<tr>
<td>1001998</td>
<td>30SSDWP</td>
<td>1002004</td>
<td>30SSUWOP</td>
<td>3.27 lbs.</td>
<td>$178.06</td>
</tr>
</tbody>
</table>

D = Pump Down  U = Pump Up  1 = 120 VAC  2 = 230 VAC  WP = With Plug  WOP = Without Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

MOUNTING CLAMP is standard.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 6.5 to 13.5 inches (16.5 cm to 34 cm)

CABLE: Flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.38 inch diameter x 4.25 inch long (8.58 cm x 10.80 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: Mercury-to-mercury contacts, hermetically sealed in a steel capsule

ELECTRICAL:

<table>
<thead>
<tr>
<th>Voltage 50Hz/60Hz Single Phase</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>15 amps</td>
<td>55 amps</td>
<td>1 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>12 amps</td>
<td>35 amps</td>
<td>2 HP or less</td>
</tr>
</tbody>
</table>

NOTE: This switch must be used with pumps that provide integral thermal overload protection. Suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.
PUMP UP is normally closed contacts for filling.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.

California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov
The Double Float® mercury-activated, wide-angle pump switch is designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC for
- non-potable water applications
- sewage applications

It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The Double Float® pump switch consists of two floats and a splice tube. Each float contains a heavy-duty mercury switch. The splice tube contains a holding relay which enables the floats to function in series.

The holding relay eliminates pump chatter in turbulent conditions allowing the Double Float® pump switch to operate relay control panels for larger pump applications.

**FEATURES**
- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC
- Adjustable pumping range of 1.75 to 48 inches (4.45 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available
- Includes standard mounting clamps and boxed packaging

**OPTIONS**
This switch is available:
- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring (120 VAC units can only be used with 120 VAC applications within specified amp ratings. 230 VAC units can only be used with 230 VAC applications within specified amp ratings)
- in standard cable lengths of 15, 20, or 30 feet and 5, 6 or 10 meters (longer lengths available)
DOUBLE FLOAT® PUMP SWITCH - Mercury-activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

### Pumping Range

- **1.75 to 48 inches (4.45 cm to 122 cm)**, increased range available. Call factory for quote.

### Cable Attached to Float Housing

- **Flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)**

### Cable Above Splice

- **Flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant thermoplastic**

### Float

- **3.38 inch diameter x 4.55 inch long (8.58 cm x 11.5 cm)**, high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

### Electrical

**Voltage**

- **50Hz/60Hz Single Phase**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
<th>Recommended Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>15 amps</td>
<td>55 amps</td>
<td>1 HP or less</td>
</tr>
<tr>
<td>230 VAC</td>
<td>12 amps</td>
<td>35 amps</td>
<td>2 HP or less</td>
</tr>
</tbody>
</table>

- **NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

### Other Information

- **Pump Down** is normally open contacts for emptying.
- **Pump Up** is normally closed contacts for filling.

- **DIRECT WIRING:**
  - **120 VAC** units used for direct wiring (without plug) can only be used with **120 VAC** applications within specified amp ratings.
  - **230 VAC** units used for direct wiring (without plug) can only be used with **230 VAC** applications within specified amp ratings.

### Specifications

**Pumping Range:**

- 1.75 to 48 inches (4.45 cm to 122 cm), increased range available. Call factory for quote.

**Cable Attached to Float Housing:**

- Flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**Cable Above Splice:**

- Flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant thermoplastic

**Float:**

- 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.5 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

### Table

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002022</td>
<td>15DFD1WP</td>
<td>1002030</td>
<td>15DFU1WP</td>
<td>3.63 lbs.</td>
<td>$214.06</td>
</tr>
<tr>
<td>1002024</td>
<td>15DFD2WP</td>
<td>1002032</td>
<td>15DFU2WP</td>
<td>3.64 lbs.</td>
<td>$219.55</td>
</tr>
<tr>
<td>1002026</td>
<td>15DF1WOP</td>
<td>1002034</td>
<td>15DFU1WOP</td>
<td>3.55 lbs.</td>
<td>$201.95</td>
</tr>
<tr>
<td>1002028</td>
<td>15DF2WOP</td>
<td>1002036</td>
<td>15DFU2WOP</td>
<td>3.51 lbs.</td>
<td>$205.98</td>
</tr>
<tr>
<td>1002038</td>
<td>20DFD1WP</td>
<td>1002046</td>
<td>20DFU1WP</td>
<td>4.04 lbs.</td>
<td>$221.69</td>
</tr>
<tr>
<td>1002040</td>
<td>20DFD2WP</td>
<td>1002048</td>
<td>20DFU2WP</td>
<td>4.08 lbs.</td>
<td>$227.16</td>
</tr>
<tr>
<td>1002042</td>
<td>20DF1WOP</td>
<td>1002050</td>
<td>20DFU1WOP</td>
<td>3.97 lbs.</td>
<td>$209.61</td>
</tr>
<tr>
<td>1002044</td>
<td>20DF2WOP</td>
<td>1002052</td>
<td>20DFU2WOP</td>
<td>4.01 lbs.</td>
<td>$213.60</td>
</tr>
<tr>
<td>1002054</td>
<td>30DFD1WP</td>
<td>1002062</td>
<td>30DFU1WP</td>
<td>4.95 lbs.</td>
<td>$237.97</td>
</tr>
<tr>
<td>1002056</td>
<td>30DFD2WP</td>
<td>1002064</td>
<td>30DFU2WP</td>
<td>4.99 lbs.</td>
<td>$243.47</td>
</tr>
<tr>
<td>1002058</td>
<td>30DF1WOP</td>
<td>1002066</td>
<td>30DFU1WOP</td>
<td>4.86 lbs.</td>
<td>$226.11</td>
</tr>
<tr>
<td>1002060</td>
<td>30DF2WOP</td>
<td>1002068</td>
<td>30DFU2WOP</td>
<td>4.87 lbs.</td>
<td>$229.91</td>
</tr>
</tbody>
</table>

D = Pump Down  U = Pump Up  1 = 120 VAC  2 = 230 VAC  WP = With Plug  WOP = Without Plug

**NOTE:** Descriptions are grouped by cable length measured in feet (15, 20, 30).

**Packaging:** Boxed - Standard

**Additional Cable:** Longer cable lengths available.
The SJE HighTempMaster™ mechanically-activated, wide-angle pump switch is designed to directly control pumps in high temperature sump applications up to 200°F (93°C) for:

- Water
- Sewage applications

It provides automatic control of pumps up to 13FLA, 78 LRA, 125V or 250V.

This SJE HiTempMaster™ pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

**FEATURES**

- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Adjustable pump range of 8 to 36 inches (20 to 91 cm)
- Twin wall design of float housing protects internal components from heat and moisture

**OPTIONS**

This switch is available:

- for pump down applications
- with a 125 VAC or 250 VAC piggy-back plug
- without a plug for direct wiring in 125 VAC or 250 VAC applications
- in standard cable lengths of 15, 20, or 30 feet and 5, 6 or 10 meters (longer lengths available)
SJE HITEMPMASTER™ PUMP SWITCH - Mechanically-activated, wide-angle switch specifically designed for performance and dependability in high temperature sump applications up to 200°F (93°C).

**PUMPING RANGE:** 8 to 36 inches (20 cm to 91 cm).

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOOW, water-resistant (CPE)

**FLOAT:** 3.18 inch diameter x 5.58 inch long (8.1 cm x 14.2 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 200°F (93°C)

**MAXIMUM WATER DEPTH:** 33 feet (10 meters) or 13 psi (90 kPa)

**ELECTRICAL:**

<table>
<thead>
<tr>
<th>Voltage 50Hz/60Hz Single Phase</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 VAC</td>
<td>13 amps</td>
<td>78 amps</td>
</tr>
<tr>
<td>250 VAC</td>
<td>12 amps</td>
<td>72 amps</td>
</tr>
</tbody>
</table>

**NOTE:** This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

**OTHER INFORMATION**

**PUMP DOWN** is normally open contacts for emptying in water or sewage applications up to 200°F (93°C).

**DIRECT WIRING:** Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

---

**PACKAGING:** Boxed - Standard

**MOUNTING CLAMP** is standard.

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 20, 30).

### SPECIFICATIONS

**PUMPING RANGE:** 8 to 36 inches (20 cm to 91 cm).

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOOW, water-resistant (CPE)

**FLOAT:** 3.18 inch diameter x 5.58 inch long (8.1 cm x 14.2 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 200°F (93°C)

**MAXIMUM WATER DEPTH:** 33 feet (10 meters) or 13 psi (90 kPa)

D = Pump Down  1 = 125VAC  2 = 250VAC  WP = With Plug  WOP = With Out Plug

---

### tables

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Pump Down Only)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1043545</td>
<td>10HTMD1WP</td>
<td>1.72 lbs.</td>
<td>$97.04</td>
</tr>
<tr>
<td>1043548</td>
<td>10HTMD2WP</td>
<td>1.76 lbs.</td>
<td>$99.58</td>
</tr>
<tr>
<td>1043551</td>
<td>10HTMDWOP</td>
<td>1.64 lbs.</td>
<td>$88.11</td>
</tr>
<tr>
<td>1043546</td>
<td>20HTMD1WP</td>
<td>2.36 lbs.</td>
<td>$107.53</td>
</tr>
<tr>
<td>1043549</td>
<td>20HTMD2WP</td>
<td>2.40 lbs.</td>
<td>$109.92</td>
</tr>
<tr>
<td>1043554</td>
<td>20HTMDWOP</td>
<td>2.28 lbs.</td>
<td>$98.43</td>
</tr>
<tr>
<td>1043547</td>
<td>30HTMD1WP</td>
<td>3.02 lbs.</td>
<td>$115.91</td>
</tr>
<tr>
<td>1043550</td>
<td>30HTMD2WP</td>
<td>3.07 lbs.</td>
<td>$118.45</td>
</tr>
<tr>
<td>1043555</td>
<td>30HTMDWOP</td>
<td>2.94 lbs.</td>
<td>$106.97</td>
</tr>
</tbody>
</table>

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www.sjerhombus.com • email: customer.service@sjeinc.com          SEE PRICE BOOK FOR PRICING.
CONTROL SWITCH OVERVIEW

Narrow-angle control switches accurately monitor high (normally open) or low (normally closed) liquid level conditions in water and sewage applications to activate control panels and alarms. Select models have colored caps for easy identification.

<table>
<thead>
<tr>
<th>Control Switch</th>
<th>Type of Activation</th>
<th>Control Differential</th>
<th>Electrical Rating</th>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZconnex® Float Switch</td>
<td>Mechanically</td>
<td>Narrow 1.5 inch (4 cm)</td>
<td>125 VAC/30 VDC 0.160mA - 1A, 5 VDC 1mA min.</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td></td>
<td>Activated</td>
<td>Wide 4 in (10 cm) above or below horizontal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE MegaMaster®</td>
<td>Mechanically</td>
<td>Approx 10° above or below horizontal</td>
<td>1mA - 1A 4 VDC - 125 VAC</td>
<td>Internal weight</td>
</tr>
<tr>
<td></td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE SignalMaster®</td>
<td>Mechanically</td>
<td>Approx 1.5 in (4 cm) above or below horizontal</td>
<td>5 amp 125V or 250V</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td>Yellow Cap = Normally Open</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE SignalMaster®</td>
<td>Mechanically</td>
<td>Approx 1.5 in (4 cm) above or below horizontal</td>
<td>5 amp 125V or 250V</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td>White Cap = Normally Closed</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE SignalMaster® SPDT</td>
<td>Mechanically</td>
<td>Approx 1.5 in (4 cm) above or below horizontal</td>
<td>5 amp 125V or 250V</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td>Green Cap = Single Pole, Double Throw</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE MilliAmpMaster® WPS</td>
<td>Mechanically</td>
<td>Approx 1.5 in (4 cm) above or below horizontal</td>
<td>125 VAC/30 VDC 0.160mA - 1A, 5 VDC 1mA min.</td>
<td>Mounting clamp</td>
</tr>
<tr>
<td>Orange Cap = WPS Control Switch</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE MilliAmpMaster®</td>
<td>Mechanically</td>
<td>Narrow 1.5 inch (4 cm)</td>
<td>125 VAC/30 VDC 0.160mA - 1A, 5 VDC 1mA min.</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td>Blue Cap = Narrow or Wide Angle</td>
<td>Activated</td>
<td>Wide 4 in (10 cm) above or below horizontal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SJE VerticalMaster® II LC</td>
<td>Mechanically</td>
<td>.75 to 6.5 inches (2 to 17cm)</td>
<td>125 VAC/30 VDC 0.160mA - 1A, 5 VDC 1mA min.</td>
<td>Mounting bracket and hose clamp</td>
</tr>
<tr>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensor Float®</td>
<td>Mercury</td>
<td>Approx .5 in (1 cm) above or below horizontal</td>
<td>5 amp 120V or 230V</td>
<td>Mounting clamp, cable weight, internal weight</td>
</tr>
<tr>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensor Float® Mini</td>
<td>Mercury</td>
<td>Approx .5 in (1 cm) above or below horizontal</td>
<td>5 amp 120V or 230V</td>
<td>Mounting clamp or cable weight</td>
</tr>
<tr>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The EZconnex® float switch connection system is a revolutionary new way to install float switches in a wet well for level control applications. It includes an electrical wiring manifold with three quick release float switch connection ports, mounting bracket and hardware. Installation is as easy as 1, 2, 3...Simply install the manifold, plug in the quick connect floats, and wire the manifold cable to the control panel.

A single 6 conductor direct burial cable has Red-Blue-Yellow wire pairs that match the R-B-Y imprint on the manifold housing for easy identification and field wiring. The color-coded cable makes for a quick, easy installation. The quick release float switch connections and mounting bracket allow for easy maintenance and replacement of floats.

The EZconnex® system can be used with 1, 2, or 3 float switches. Each float switch includes a protective rubber boot that provides a dual seal design for an extra layer of protection to keep connections clean and dry. A range of wide-angle and narrow-angle float switch options are available with quick release connection to suit application needs (sold separately). Sealing plugs are available for unused manifold ports (sold separately).

**NOTE:** Do not install manifold with open port(s).

### FEATURES

- (3) Quick release float connection ports for easy maintenance in the wet well
- A single 6-conductor direct burial cable with colored wire pairs for easy and clean field wiring of the control panel
- Manifold housing includes R-B-Y imprints that match Red-Blue-Yellow wire pairs in manifold cable for easy identification and field wiring
- Can be used with 1-3 float switches; sealing plug(s) available for unused manifold port(s)
- Rated for short-term water submersion in water
- Includes mounting bracket and hardware; float switches and sealing plugs must be ordered separately

### OPTIONS

**Manifold Options:**

- Standard cable lengths of 25, 50, or 100 ft (7.62, 15.24, or 30.48 m)
- Sealing plug (includes rubber boot) required for unused port(s)

**Float Switch Options:**

- **EZconnex® SJE MilliAmpMaster™ Float switches:** these are SJE MilliAmpMaster™ control switches that feature the quick release connection. Please see the SJE MilliAmpMaster™ control switch section in this catalog for complete specifications.
  - Available in standard cable lengths of 5, 10, or 20 ft (1.52, 3.05, or 6.10 m)
  - Colored caps for easy identification (blue cap = normally open; red cap = normally closed)
  - Two float mounting configurations available; mounting clamp or cable weight

- **EZconnex® SJE MegaMaster® Float switches:** these are SJE MegaMaster® control switches that feature the quick release connection. Please see the SJE MegaMaster® control switch section in this catalog for complete specifications.
  - Available in standard cable lengths of 10, 25, or 50 ft (3.05, 7.62 or 15.24 m)
  - Optional 6-hook mounting bracket available (sold separately)
EZCONNEX® 3-PORT FLOAT SWITCH CONNECTION SYSTEM - Manifold/float connection system designed for easy installation of 1-3 float switches in a wet well for level control applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (3-Port Manifold)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1047612</td>
<td>EZconnex®, 3-Port, 25 ft., with Mounting Bracket</td>
<td>3.33 lbs.</td>
<td>$152.45</td>
</tr>
<tr>
<td>1047613</td>
<td>EZconnex®, 3-Port, 50 ft., with Mounting Bracket</td>
<td>5.22 lbs.</td>
<td>$194.47</td>
</tr>
<tr>
<td>1050843</td>
<td>EZconnex®, 3-Port, 100 ft., with Mounting Bracket</td>
<td>9.28 lbs.</td>
<td>$278.08</td>
</tr>
</tbody>
</table>

### EZ CONNEX® FLOAT SWITCH NARROW-ANGLED VERSIONS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1046922</td>
<td>5MAPNPCNOEZ</td>
<td>1046923</td>
<td>5MAPNPCNCEZ</td>
<td>0.86 lbs.</td>
<td>$50.46</td>
</tr>
<tr>
<td>1046924</td>
<td>10MAPNPCNOEZ</td>
<td>1046925</td>
<td>10MAPNPCNCEZ</td>
<td>1.14 lbs.</td>
<td>$54.16</td>
</tr>
<tr>
<td>1050721</td>
<td>20MAPNPCNOEZ</td>
<td>1050840</td>
<td>20MAPNPCNCEZ</td>
<td>1.79 lbs.</td>
<td>$61.77</td>
</tr>
<tr>
<td>1054141</td>
<td>5MAPNCWNOEZ</td>
<td>1054142</td>
<td>5MAPNCWCNCEZ</td>
<td>2.16 lbs.</td>
<td>$60.71</td>
</tr>
<tr>
<td>1054145</td>
<td>10MAPNCWNOEZ</td>
<td>1054146</td>
<td>10MAPNCWCNCEZ</td>
<td>2.44 lbs.</td>
<td>$64.40</td>
</tr>
<tr>
<td>1054150</td>
<td>20MAPNCWNOEZ</td>
<td>1054151</td>
<td>20MAPNCWCNCEZ</td>
<td>3.09 lbs.</td>
<td>$72.01</td>
</tr>
</tbody>
</table>

### EZ CONNEX® FLOAT SWITCH WIDE-ANGLED VERSIONS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1046918</td>
<td>5MAPWPCNOEZ</td>
<td>1046919</td>
<td>5MAPWPCNCEZ</td>
<td>0.86 lbs.</td>
<td>$50.46</td>
</tr>
<tr>
<td>1046920</td>
<td>10MAPWPCNOEZ</td>
<td>1046921</td>
<td>10MAPWPCNCEZ</td>
<td>1.14 lbs.</td>
<td>$54.16</td>
</tr>
<tr>
<td>1050841</td>
<td>20MAPWPCNOEZ</td>
<td>1050842</td>
<td>20MAPWPCNCEZ</td>
<td>1.79 lbs.</td>
<td>$61.77</td>
</tr>
<tr>
<td>1054143</td>
<td>5MAPWCWNOEZ</td>
<td>1054144</td>
<td>5MAPWCWCNCEZ</td>
<td>2.16 lbs.</td>
<td>$60.71</td>
</tr>
<tr>
<td>1054147</td>
<td>10MAPWCWNOEZ</td>
<td>1054148</td>
<td>10MAPWCWCNCEZ</td>
<td>2.44 lbs.</td>
<td>$64.40</td>
</tr>
<tr>
<td>1054152</td>
<td>20MAPWCWNOEZ</td>
<td>1054153</td>
<td>20MAPWCWCNCEZ</td>
<td>3.09 lbs.</td>
<td>$72.01</td>
</tr>
</tbody>
</table>

### EZ CONNEX® MEGAMASTER® FLOAT SWITCH

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1059056</td>
<td>10MEGANOEZ</td>
<td>1059057</td>
<td>10MEGANACEZ</td>
<td>2.6 lbs.</td>
<td>$81.55</td>
</tr>
<tr>
<td>1059058</td>
<td>25MEGANOEZ</td>
<td>1059059</td>
<td>25MEGANACEZ</td>
<td>3.6 lbs.</td>
<td>$93.96</td>
</tr>
<tr>
<td>1059060</td>
<td>50MEGANOEZ</td>
<td>1059061</td>
<td>50MEGANACEZ</td>
<td>5.1 lbs.</td>
<td>$114.02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Options Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1047611</td>
<td>Sealing Plug (includes Rubber Boot)</td>
<td>0.16 lbs.</td>
<td>$11.61</td>
</tr>
<tr>
<td>1052814</td>
<td>6 Hook Bracket</td>
<td>2.0 lbs.</td>
<td>$71.99</td>
</tr>
</tbody>
</table>

**NOTE:** One sealing plug must be ordered for each unused port. Do not install manifold with open port(s).

### PACKAGING:
- **Manifold:** Boxed - Standard
- **Float Switches:** Bagged - Standard

### SPECIFICATIONS

#### MANIFOLD SPECIFICATIONS
- **CABLE:** direct burial shielded PVC Type TC-ER TFFN (UL) 600V 18 gauge, 6 conductor
- **HOUSING:** ABS plastic
- **ELECTRICAL:** 125 VAC
  - **Maximum Electrical Load:** 1 amp per connection port

#### FLOAT SPECIFICATIONS
- **EZconnex® SJE MilliAmpMaster® Float switches:** these are SJE MilliAmpMaster® control switches that feature the quick release connection. Please see the SJE MilliAmpMaster® control switch section in this catalog for complete specifications.
- **EZconnex® SJE MegaMaster® Float switches:** these are SJE MegaMaster® control switches that feature the quick release connection. Please see the SJE MegaMaster® control switch section in this catalog for complete specifications.

#### MOUNTING BRACKET SPECIFICATIONS
- **BRACKET:** PVC Plastic

### OTHER INFORMATION

#### NORMALLY OPEN (HIGH LEVEL) OPERATION
Blue colored cap, the control switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

#### NORMALLY CLOSED (LOW LEVEL) OPERATION
Red colored cap, the control switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.
The EZconnex® float switch connection system is a revolutionary new way to install float switches in a wet well for level control applications. It includes an electrical wiring manifold with three quick release float switch connection ports, mounting bracket and hardware. Installation is as easy as 1, 2, 3...Simply install the manifold, plug in the quick connect floats, and wire the manifold cable to the control panel.

A single 8 conductor direct burial cable has Red-Blue-Yellow-White wire pairs that match the R-B-Y-W colored caps on the manifold housing for easy identification and field wiring. The color-coded cable makes for a quick, easy installation. The quick release float switch connections and mounting bracket allow for easy maintenance and replacement of floats.

The EZconnex® system can be used with 1, 2, 3 or 4 float switches. Each float switch includes a protective rubber boot that provides a dual seal design for an extra layer of protection to keep connections clean and dry. A range of wide-angle and narrow-angle float switch options are available with quick release connection to suit application needs (sold separately). Sealing plugs are available for unused manifold ports (sold separately).

NOTE: Do not install manifold with open port(s).

FEATURES

- (4) Quick release float connection ports for easy maintenance in the wet well
- A single 6-conductor direct burial cable with colored wire pairs for easy and clean field wiring of the control panel
- Manifold housing includes Red-Blue-Yellow-White colored caps that match Red-Blue-Yellow-White wire pairs in manifold cable for easy identification and field wiring
- Can be used with 1-4 float switches; sealing plug(s) available for unused manifold port(s)
- Rated for short-term water submersion in water
- Includes mounting bracket; float switches and sealing plugs must be ordered separately

OPTIONS

Manifold Options:
- Standard cable lengths of 25, 50, or 100 ft (7.62, 15.24, or 30.48 m)
- Sealing plug (includes rubber boot) required for unused port(s)

Float Switch Options:
- **EZconnex® SJE MilliAmpMaster™ Float switches**: these are SJE MilliAmpMaster™ control switches that feature the quick release connection. Please see the SJE MilliAmpMaster™ control switch section in this catalog for complete specifications.
  - Available in standard cable lengths of 5, 10, or 20 ft (1.52, 3.05, or 6.10 m)
  - Colored caps for easy identification (blue cap = normally open; red cap = normally closed)
  - Two float mounting configurations available; mounting clamp or cable weight

- **EZconnex® SJE MegaMaster® Float switches**: these are SJE MegaMaster® control switches that feature the quick release connection. Please see the SJE MegaMaster® control switch section in this catalog for complete specifications.
  - Available in standard cable lengths of 10, 25, or 50 ft (3.05, 7.62 or 15.24 m)
  - Optional 6-hook mounting bracket available (sold separately)
EZCONNEX® 4-PORT FLOAT SWITCH CONNECTION SYSTEM - Manifold/float connection system designed for easy installation of 1-4 float switches in a wet well for level control applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (4-Port Manifold)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1053987</td>
<td>EZconnex®, 4-Port, 25 ft., with Mounting Bracket</td>
<td>4.57 lbs.</td>
<td>$228.04</td>
</tr>
<tr>
<td>1053988</td>
<td>EZconnex®, 4-Port, 50 ft., with Mounting Bracket</td>
<td>7.04 lbs.</td>
<td>$280.83</td>
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<tr>
<td>1053989</td>
<td>EZconnex®, 4-Port, 100 ft., with Mounting Bracket</td>
<td>11.98 lbs.</td>
<td>$386.40</td>
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</tbody>
</table>

**EZ CONNEX® FLOYT SWITCH NARROW-ANGLED VERSIONS**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1046922</td>
<td>5MAPNPCNOEZ</td>
<td>1046923</td>
<td>5MAPNPCNCEZ</td>
<td>0.86 lbs.</td>
<td>$50.46</td>
</tr>
<tr>
<td>1046924</td>
<td>10MAPNPCNOEZ</td>
<td>1046925</td>
<td>10MAPNPCNCEZ</td>
<td>1.14 lbs.</td>
<td>$54.16</td>
</tr>
<tr>
<td>1050721</td>
<td>20MAPNPCNOEZ</td>
<td>1050840</td>
<td>20MAPNPCNCEZ</td>
<td>1.79 lbs.</td>
<td>$61.77</td>
</tr>
<tr>
<td>1054141</td>
<td>5MAPNCWNOEZ</td>
<td>1054142</td>
<td>5MAPNCWNCEZ</td>
<td>2.16 lbs.</td>
<td>$60.71</td>
</tr>
<tr>
<td>1054145</td>
<td>10MAPNCWNDEZ</td>
<td>1054146</td>
<td>10MAPNCWNCZ</td>
<td>2.44 lbs.</td>
<td>$64.40</td>
</tr>
<tr>
<td>1054150</td>
<td>20MAPNCWNOEZ</td>
<td>1054151</td>
<td>20MAPNCWNCZ</td>
<td>3.09 lbs.</td>
<td>$72.01</td>
</tr>
</tbody>
</table>

**EZ CONNEX® FLOYT SWITCH WIDE-ANGLED VERSIONS**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1046918</td>
<td>5MAPWPCNOEZ</td>
<td>1046919</td>
<td>5MAPWPCNCEZ</td>
<td>0.86 lbs.</td>
<td>$50.46</td>
</tr>
<tr>
<td>1046920</td>
<td>10MAPWPCNOEZ</td>
<td>1046921</td>
<td>10MAPWPCNCEZ</td>
<td>1.14 lbs.</td>
<td>$54.16</td>
</tr>
<tr>
<td>1050841</td>
<td>20MAPWPCNOEZ</td>
<td>1050842</td>
<td>20MAPWPCNCEZ</td>
<td>1.79 lbs.</td>
<td>$61.77</td>
</tr>
<tr>
<td>1054143</td>
<td>5MAPWCWNOEZ</td>
<td>1054144</td>
<td>5MAPWCWNCZ</td>
<td>2.16 lbs.</td>
<td>$60.71</td>
</tr>
<tr>
<td>1054147</td>
<td>10MAPWCWNDEZ</td>
<td>1054148</td>
<td>10MAPWCWNCZ</td>
<td>2.44 lbs.</td>
<td>$64.40</td>
</tr>
<tr>
<td>1054152</td>
<td>20MAPWCWNOEZ</td>
<td>1054153</td>
<td>20MAPWCWNCZ</td>
<td>3.09 lbs.</td>
<td>$72.01</td>
</tr>
</tbody>
</table>

**EZ CONNEX® MEGAMASTER® FLOAT SWITCH**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1059056</td>
<td>10MEGANOEZ</td>
<td>1059057</td>
<td>10MEGANCEZ</td>
<td>2.6 lbs.</td>
<td>$81.55</td>
</tr>
<tr>
<td>1059058</td>
<td>25MEGANOEZ</td>
<td>1059059</td>
<td>25MEGANCEZ</td>
<td>3.6 lbs.</td>
<td>$93.96</td>
</tr>
<tr>
<td>1059060</td>
<td>50MEGANOEZ</td>
<td>1059061</td>
<td>50MEGANCEZ</td>
<td>5.1 lbs.</td>
<td>$114.02</td>
</tr>
<tr>
<td>Options Part #</td>
<td>Description</td>
<td>Shipping Weight</td>
<td>List Price</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1047611</td>
<td>Sealing Plug (includes Rubber Boot)</td>
<td>0.16 lbs.</td>
<td>$11.61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1052814</td>
<td>6 Hook Bracket</td>
<td>2.0 lbs.</td>
<td>$71.99</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

N = Narrow Angle  W = Wide Angle  PC = Pipe Clamp  CW = Cable Weight  NO = Normally Open  NC = Normally Closed  EZ = EZconnex®

**NOTE:** One sealing plug must be ordered for each unused port. Do not install manifold with open port(s).

**SPECIFICATIONS**

**MANIFOLD SPECIFICATIONS**

- **CABLE:** direct burial shielded PVC Type TC-ER TFFN (UL) 600V 18 gauge, 8 conductor
- **HOUSING:** ABS plastic
- **ELECTRICAL:** 125 VAC
  
  Maximum Electrical Load: 1 amp per connection port

**FLOAT SPECIFICATIONS**

- **EZconnex® SJE MilliAmpMaster™ Float switches:** these are SJE MilliAmpMaster™ control switches that feature the quick release connection. Please see the SJE MilliAmpMaster™ control switch section in this catalog for complete specifications.
- **EZconnex® SJE MegaMaster® Float switches:** these are SJE MegaMaster® control switches that feature the quick release connection. Please see the SJE MegaMaster® control switch section in this catalog for complete specifications.

**MOUNTING BRACKET SPECIFICATIONS**

- **BRACKET:** 304 stainless steel

**OTHER INFORMATION**

**NORMALLY OPEN (HIGH LEVEL) OPERATION**

Blue colored cap, the control switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**

Red colored cap, the control switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.
The SJE MegaMaster® mechanically-activated, narrow-angle, internally weighted control switch. It is designed for level control in municipal water and sewage applications, including lift stations, non-potable water, PLC (programmable logic controllers), IS (intrinsically safe) and applications having a high grease content.

The internal switching mechanism has unique gold cross-point contacts for reliable control of current up to 1 Amp. The unique two-color float housing offers easy identification of float position.

The SJE MegaMaster® control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

**When wired as Normally Open (high level)**
The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**When wired as Normally Closed (low level)**
The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

**FEATURES**
- Internally weighted
- 3 wire cable - SPDT (Single Pole, Double Throw) can be wired as normally open or normally closed; wire color: Common (white), N.O. (black), N.C. (red)
- Large twin wall tear drop shape design offers increased buoyancy
- Two-color housing allows for easy identification of float position
- Unique gold cross-point contacts provide precision and reliable control signals up to 1 amp

**OPTIONS**
This switch is available:
- with a float bracket (sold separately)
- in standard cable lengths of 25, 50, 75, or 100 feet (approximately 7, 15, 22, or 30 meters)
SJE MEGAMASTER® CONTROL SWITCH - Mechanically-activated, narrow-angle float switch designed for level control of municipal wastewater pumping stations.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Normally Open or Normally Closed)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1046500</td>
<td>25MGMSPDT</td>
<td>3.53 lbs.</td>
<td>$73.12</td>
</tr>
<tr>
<td>1046501</td>
<td>50MGMSPDT</td>
<td>5.06 lbs.</td>
<td>$92.95</td>
</tr>
<tr>
<td>1046502</td>
<td>75MGMSPDT</td>
<td>6.65 lbs.</td>
<td>$119.61</td>
</tr>
<tr>
<td>1046503</td>
<td>100MGMSPDT</td>
<td>8.21 lbs.</td>
<td>$147.49</td>
</tr>
</tbody>
</table>

**Options**

<table>
<thead>
<tr>
<th>Options Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1009432</td>
<td>4 Float Bracket with Mounting Device</td>
<td>2.22 lbs.</td>
</tr>
</tbody>
</table>

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

**PACKAGING:** Bagged - Standard

**SPECIFICATIONS**

- **CABLE:** flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)
- **FLOAT:** 4.03 inch diameter x 6.62 inch long (10.2 x 16.8 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)
- **MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 PSI (90 kPa)

**ELECTRICAL:**

- **Maximum Electrical Load:** 1 amp, 125 VAC
- **Minimum Electrical Load:** 1 mA, 4 VDC

**OTHER INFORMATION**

- **NORMALLY OPEN (HIGH LEVEL) OPERATION**
  The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below horizontal in water or sewage applications.

- **NORMALLY CLOSED (LOW LEVEL) OPERATION**
  The control switch closes (turns on) when the float drops slightly below horizontal signaling a low level, and opens (turns off) when the float tips slightly above horizontal in water or sewage applications.

SEE PRICE BOOK FOR PRICING.
The SJE SignalMaster® mechanically-activated, narrow-angle control switch is designed to accurately monitor liquid levels and activate pump control panels and alarms in:

• water applications
• sewage applications

The SJE SignalMaster® control switch is not sensitive to rotation.

**Normally Open Model (high level) - Yellow Cap**
The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**Normally Closed Model (low level) - White Cap**
The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

**FEATURES**

• Mechanically-activated, snap action contacts
• High impact, corrosion resistant, polypropylene float housing
• Not sensitive to rotation
• Control differential of 1.5 inches (4 cm) above or below horizontal
• Colored caps for easy identification; yellow = normally open; white = normally closed

**OPTIONS**

This switch is available:

• for normally open (high level) applications or normally closed (low level) applications
• in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
• with two mounting options that allow for flexibility in installation:
  
  **Mounting Clamp**: for applications where the switch can be attached to a discharge pipe or similar mounting device
  
  **Externally Weighted**: for applications where the switch can be suspended from above

UL Listed for Water & Sewage
**SJE SIGNALMASTER® CONTROL SWITCH** - Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

<table>
<thead>
<tr>
<th>NORMALLY OPEN</th>
<th>NORMALLY CLOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part #</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>1006042</td>
<td>10SGMPCNO</td>
</tr>
<tr>
<td>1006050</td>
<td>10SGMWENO</td>
</tr>
<tr>
<td>1006043</td>
<td>15SGMPCNO</td>
</tr>
<tr>
<td>1006051</td>
<td>15SGMWENO</td>
</tr>
<tr>
<td>1006044*</td>
<td>20SGMPCNO</td>
</tr>
<tr>
<td>1006052</td>
<td>20SGMWENO</td>
</tr>
<tr>
<td>1006045</td>
<td>30SGMPCNO</td>
</tr>
<tr>
<td>1006053</td>
<td>30SGMWENO</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.*

**PC** = **Pipe Clamp**  **WE** = **Weighted Externally**  **NO** = **Normally Open**  **NC** = **Normally Closed**

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

**MOUNTING CLAMP** is standard.

**PACKAGING:** Bagged - Standard

**ADDITIONAL CABLE:** Longer cable lengths available.

**SPECIFICATIONS**
- **CABLE:** Flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
- **FLOAT:** 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140° F (60° C)
- **MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 psi
- **ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz
  - This switch is not recommended for controlling:
    - electric loads less than 100 milliamps, 12 VAC
    - non-arcing electric loads

**OTHER INFORMATION**

**NORMALLY OPEN (HIGH LEVEL) OPERATION**
The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below horizontal in water or sewage applications.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**
The control switch closes (turns on) when the float drops slightly below horizontal signaling a low level, and opens (turns off) when the float tips slightly above horizontal in water or sewage applications.

**NOTE:**
- **Part #** Description
- **Shipping Weight**
- **List Price**
- **Electrical:** 5 amp, 125/250 VAC, 50/60 Hz
- **Maximum Water Depth:** 30 feet (9 meters), 13 psi
- **Electrical:** Not recommended for controlling:
  - Electric loads less than 100 milliamps, 12 VAC
  - Non-arcing electric loads
The SJE SignalMaster® SPDT control switch is designed to accurately monitor liquid levels and activate pump control panels and alarms in:

- water applications
- sewage application

The SJE SignalMaster® SPDT control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

**When wired as Normally Open (high level)**
The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**When wired as Normally Closed (low level)**
The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

**FEATURES**
- Can be wired to work in either normally open or normally closed applications (Single Pole, Double Throw)
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Not sensitive to rotation
- Control differential of 1.5 inches (4 cm) above or below horizontal
- Green colored cap for easy identification of SPDT control switch

**OPTIONS**
This switch is available:
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:
  - **Mounting Clamp**: for applications where the switch can be attached to a discharge pipe or similar mounting device
  - **Externally Weighted**: for applications where the switch can be suspended from above

**UL Listed for Water & Sewage**

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SJE Rhombus is a trademark of SJE, Inc.

www.sjerhombus.com • Toll Free 888-342-5753
SJE SIGNALMASTER® SPDT CONTROL SWITCH - Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

PC = Pipe Clamp  WE = Weighted Externally
Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

PACKAGING: Bagged - Standard
ADDITIONAL CABLE: Longer cable lengths available.

### SPECIFICATIONS

**CABLE:** flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 psi

**ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

### OTHER INFORMATION

**NORMALLY OPEN (HIGH LEVEL) OPERATION**
The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal in water or sewage applications.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**
The control switch closes (turns on) when the float drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description ( Normally Open or Normally Closed)</th>
<th>Shipping Weight</th>
<th>List Price</th>
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</thead>
<tbody>
<tr>
<td>1006094</td>
<td>10SGMSPDTPC</td>
<td>1.20 lbs.</td>
<td>$50.49</td>
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<td>1006098</td>
<td>10SGMSPDTWE</td>
<td>2.29 lbs.</td>
<td>$60.44</td>
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<tr>
<td>1006095</td>
<td>15SGMSPDTPC</td>
<td>1.61 lbs.</td>
<td>$55.00</td>
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<tr>
<td>1006099</td>
<td>15SGMSPDTWE</td>
<td>2.69 lbs.</td>
<td>$64.94</td>
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<td>1006096</td>
<td>20SGMSPDTPC</td>
<td>2.01 lbs.</td>
<td>$59.56</td>
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<tr>
<td>1006100</td>
<td>20SGMSPDTWE</td>
<td>3.10 lbs.</td>
<td>$69.48</td>
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<tr>
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<td>30SGMSPDTPC</td>
<td>2.82 lbs.</td>
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<td>1006101</td>
<td>30SGMSPDTWE</td>
<td>3.91 lbs.</td>
<td>$79.47</td>
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</tbody>
</table>

California Prop 65 requires the following: **WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

G.10  www.sjerhombus.com • email: customer.service@sjeinc.com SEE PRICE BOOK FOR PRICING.
The SJE MilliAmpMaster™ WPS mechanically-activated, narrow-angle control switch offers reliable low current control for AC and DC applications to activate pump control panels and alarms in:

- potable water applications
- PLC panels (programmable logic controllers)
- low current solar applications
- other low current applications

The internal switching mechanism has sealed gold cross-point contacts for reliable low current operation. Common applications include PLC (programmable logic controller) panels, low current solar applications, and other low current control panels and alarms in potable water applications.

This narrow angle control float switch activates/deactivates at approximately 1.5" (3.81 cm) above and below horizontal with a 3.5" (9 cm) tether. It is not sensitive to rotation.

When Wired as a Normally Open Model (high level)
The control float switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

When Wired as a Normally Closed Model (low level)
The control float switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.

**FEATURES**

- Low current applications down to 0.160 mA at 125 VAC
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant polypropylene float housing
- Not sensitive to rotation
- Orange colored cap for easy identification of SJE MilliAmpMaster™ WPS control switch
- CSA Certified to meet NSF/ANSI 61 standard for use in potable water; approved for use in tanks of 250 US gallons (950L) in volume or greater per float
SJE MILLIAMPMASTER™ WPS CONTROL SWITCH - Mechanically-activated, narrow-angle control switch designed to activate low current control panels and alarms in potable water applications.

PC = Pipe Clamp
Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

NOTE: Descriptions are by cable length measured in feet.

### SPECIFICATIONS

**CABLE:**
- Flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

**FLOAT:**
- 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:**
- 30 feet (9 meters), 13 psi

**ELECTRICAL:**
- **125 VAC**
  - Maximum Electrical Load: 1 amp
  - Minimum Electrical Load: 0.160 milliamps
- **30 VDC**
  - Maximum Electrical Load: 0.1 amps
  - Minimum Electrical Load: 0.160 milliamps
- **5 VDC**
  - Minimum Electrical Load: 1 milliamp

### OTHER INFORMATION

**NORMALLY OPEN (HIGH LEVEL) OPERATION**
The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below horizontal.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**
The control switch closes (turns on) when the float drops slightly below horizontal signaling a low level, and opens (turns off) when the float tips slightly above horizontal.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Normally Open or Normally Closed)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1062686</td>
<td>15MANWPSPC</td>
<td>1.7 lbs.</td>
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<tr>
<td>1062687</td>
<td>30MANWPSPC</td>
<td>2.5 lbs.</td>
<td>$73.80</td>
</tr>
<tr>
<td>1067227</td>
<td>50MANWPSPC</td>
<td>3.93 lbs.</td>
<td>$92.25</td>
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</tbody>
</table>

SJE RHOMBUS

California Prop 65 requires the following: WARNING Cancer and Reproductive Harm • www.P65Warnings.ca.gov

G.12  www.sjerhombus.com • email: customer.service@sjeinc.com  SEE PRICE BOOK FOR PRICING.
The SJE MilliAmpMaster™ mechanically-activated, wide-angle or narrow-angle control switch offers reliable low current control for AC and DC applications to activate pump control panels and alarms in:

- water applications
- wastewater applications
- PLC panels (programmable logic controllers)
- IS panels (with intrinsically safe barriers)
- low current solar applications
- other low current applications

The wide-angle version activates/deactivates approximately 4” (10.16 cm) above and below horizontal with a 3.5” (9 cm) tether. The narrow angle version activates/deactivates at approximately 1.5” (3.81 cm) above and below horizontal with a 3.5” (9 cm) tether. It is not sensitive to rotation.

**Normally Open Model (high level)**

The control switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

**Normally Closed Model (low level)**

The control switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.

**FEATURES**

- Low current, non-arching applications down to 0.160 mA at 125 VAC
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant polypropylene float housing
- Not sensitive to rotation
- Blue colored cap for easy identification of SJE MilliAmpMaster™ control switch

**OPTIONS**

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications
- with narrow-angle or wide-angle pumping ranges
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:
  - **Mounting Clamp**: for applications where the switch can be attached to a discharge pipe or similar mounting device
  - **Externally Weighted**: for applications where the switch can be suspended from above
SJE MILLIAMPMASTER™ CONTROL SWITCH - Mechanically-activated control switch designed to activate low current control panels and alarms.

### SPECIFICATIONS

**CABLE:** flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 psi

**ELECTRICAL:**

- **125 VAC**
  - Maximum Electrical Load: 1 amp
  - Minimum Electrical Load: 0.160 milliamps
- **30 VDC**
  - Maximum Electrical Load: 0.1 amps
  - Minimum Electrical Load: 0.160 milliamps
- **5 VDC**
  - Minimum Electrical Load: 1 milliamps

### OTHER INFORMATION

**NORMALLY OPEN (HIGH LEVEL) OPERATION**
The control switch closes (turns on) when the float tips above horizontal signaling a high level, and opens (turns off) when the float drops below normal.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**
The control switch closes (turns on) when the float drops below horizontal signaling a low level, and opens (turns off) when the float tips above horizontal.

---

**NARROW ANGLE VERSIONS**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
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<th>List Price</th>
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<tr>
<td>1018838</td>
<td>10MANPCNO</td>
<td>1018839</td>
<td>10MANPCNC</td>
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<tr>
<td>1018840</td>
<td>10MANWENO</td>
<td>1018841</td>
<td>10MANWENC</td>
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</tr>
<tr>
<td>1018842</td>
<td>15MANPCNO</td>
<td>1018843</td>
<td>15MANPCNC</td>
<td>1.37 lbs.</td>
<td>$50.68</td>
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<tr>
<td>1018844</td>
<td>15MANWENO</td>
<td>1018845</td>
<td>15MANWENC</td>
<td>2.45 lbs.</td>
<td>$59.44</td>
</tr>
<tr>
<td>1018846</td>
<td>20MANPCNO</td>
<td>1018847</td>
<td>20MANPCNC</td>
<td>1.69 lbs.</td>
<td>$54.33</td>
</tr>
<tr>
<td>1018848</td>
<td>20MANWENO</td>
<td>1018849</td>
<td>20MANWENC</td>
<td>2.70 lbs.</td>
<td>$63.09</td>
</tr>
<tr>
<td>1018850</td>
<td>30MANPCNO</td>
<td>1018851</td>
<td>30MANPCNC</td>
<td>2.34 lbs.</td>
<td>$62.28</td>
</tr>
<tr>
<td>1018852</td>
<td>30MANWENO</td>
<td>1018853</td>
<td>30MANWENC</td>
<td>3.43 lbs.</td>
<td>$71.04</td>
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</table>

**WIDE ANGLE VERSIONS**

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<tr>
<th>Part #</th>
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<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
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<tr>
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<td>10MAPCNO</td>
<td>1016180</td>
<td>10MAPCNC</td>
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<td>$47.00</td>
</tr>
<tr>
<td>1016181</td>
<td>10MAWENO</td>
<td>1016182</td>
<td>10MAWENC</td>
<td>2.16 lbs.</td>
<td>$55.77</td>
</tr>
<tr>
<td>1016184</td>
<td>15MAPCNO</td>
<td>1016185</td>
<td>15MAPCNC</td>
<td>1.37 lbs.</td>
<td>$50.68</td>
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<tr>
<td>1016186</td>
<td>15MAWENO</td>
<td>1016187</td>
<td>15MAWENC</td>
<td>2.45 lbs.</td>
<td>$59.44</td>
</tr>
<tr>
<td>1016211</td>
<td>20MAPCNO</td>
<td>1016212</td>
<td>20MAPCNC</td>
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<tr>
<td>1016213</td>
<td>20MAWENO</td>
<td>1016214</td>
<td>20MAWENC</td>
<td>2.70 lbs.</td>
<td>$63.09</td>
</tr>
<tr>
<td>1016215</td>
<td>30MAPCNO</td>
<td>1016216</td>
<td>30MAPCNC</td>
<td>2.34 lbs.</td>
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<td>1016217</td>
<td>30MAWENO</td>
<td>1016218</td>
<td>30MAWENC</td>
<td>3.43 lbs.</td>
<td>$71.04</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

**PC** = Pipe Clamp, **WE** = Weighted Externally, **NO** = Normally Open, **NC** = Normally Closed

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).
The SJE VerticalMaster® II LC mechanically-activated control switch offers reliable control for AC and DC application to activate low current control panels and alarms in:

- non-potable water applications
- wastewater applications
- PLC panels (programmable logic controller)
- IS panels (with intrinsically safe barriers)
- low current solar applications
- other lower current applications

The SJE VerticalMaster® II LC (Low Current) switch is not sensitive to turbulence.

It is available in normally open (high level) operation only.

**FEATURES**

- Adjustable activation range of .75 to 6.5 inches (2 to 17 cm)
- Low current, non-arcing applications down to 0.160 mA at 125 VAC

**OPTIONS**

This switch is available:

- in standard cable lengths of 10 and 20 feet (3 and 6 meters)
SJE VERTICALMASTER® II LC CONTROL SWITCH - Mechanically-activated control switch designed to activate low current control panels and alarms.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description (Normally Open)</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1025024</td>
<td>10VMIILC BOX</td>
<td>1.65 lbs.</td>
<td>$57.67</td>
</tr>
<tr>
<td>1039781</td>
<td>20VMIILC BOX</td>
<td>2.36 lbs.</td>
<td>$65.20</td>
</tr>
</tbody>
</table>

MOUNTING BRACKET and HOSE CLAMP are standard.

PACKAGING: Boxed - Standard

**SPECIFICATIONS**

**ACTIVATION RANGE**: .75 to 6.5 inches (2 cm to 17 cm)

**CABLE**: flexible 18 gauge, 2 conductor SJTOW, SJTW (UL, CSA)

**MOUNTING BRACKET AND HOSE CLAMP**: stainless steel

**LIFT ROD**: injection molded acetal plastic

**FLOAT STOP**: neoprene

**SWITCH AND FLOAT HOUSING**: high impact, corrosion resistant, PVC housing for use non-potable water up to 125°F (52°C)

  - Overall dimensions: 12 inch high x 5 inch x 3 inch wide
  - (30.5 cm high x 12.7 cm x 7.6 cm wide)
  - Switch housing dimensions: 2 inch high x 2.8 inch diameter
  - (5 cm high x 7.1 cm diameter)
  - Float housing dimensions: 2.5 inch high x 2.7 inch diameter
  - (6.4 cm high x 6.9 cm diameter)

**ELECTRICAL**:

- **125 VAC**
  - Maximum Electrical Load: 1 amp
  - Minimum Electrical Load: 0.160 milliamps

- **30 VDC**
  - Maximum Electrical Load: 0.1 amps
  - Minimum Electrical Load: 0.160 milliamps

- **5 VDC**
  - Minimum Electrical Load: 1 milliamps

**OTHER INFORMATION**

**NORMALLY OPEN (HIGH LEVEL) OPERATION**

The control switch closes (turns on) when the float rises signaling a high level, and opens (turns off) when the float drops.
The Sensor Float® mercury-activated, narrow-angle control switch is designed to accurately monitor liquid levels and activate control pump control panels and alarms in:

- non-potable water applications
- sewage applications

The Sensor Float® control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.

**Normally Open Model (high level)**
The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**Normally Closed Model (low level)**
The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

**FEATURES**

- Suitable for use with intrinsically safe circuits
- Not sensitive to rotation
- Control differential of .5 inches (1 cm) above or below horizontal

**OPTIONS**

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with three mounting options that allow for flexibility in installation:
  - Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device
  - Internally Weighted: for applications where the switch can be suspended from above
  - Externally Weighted: for applications where the switch can be suspended from above

UL Listed for Water & Sewage
SENSOR FLOAT® CONTROL SWITCH - Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
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<tr>
<td>1002108</td>
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<td>1002111</td>
<td>10PCNC</td>
<td>1.29 lbs.</td>
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<tr>
<td>1002072</td>
<td>10SWINO</td>
<td>1002075</td>
<td>10SWINC</td>
<td>1.85 lbs.</td>
<td>$69.52</td>
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<td>1002143</td>
<td>10SWENO</td>
<td>1002146</td>
<td>10SWENC</td>
<td>2.66 lbs.</td>
<td>$76.69</td>
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<tr>
<td>1002117*</td>
<td>15PCNO</td>
<td>1002120</td>
<td>15PCNC</td>
<td>1.64 lbs.</td>
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</tr>
<tr>
<td>1002080</td>
<td>15SWINO</td>
<td>1002083</td>
<td>15SWINC</td>
<td>2.22 lbs.</td>
<td>$74.52</td>
</tr>
<tr>
<td>1002152</td>
<td>15SWENO</td>
<td>1002155</td>
<td>15SWENC</td>
<td>2.90 lbs.</td>
<td>$81.69</td>
</tr>
<tr>
<td>1002125</td>
<td>20PCNO</td>
<td>1002128</td>
<td>20PCNC</td>
<td>1.99 lbs.</td>
<td>$74.71</td>
</tr>
<tr>
<td>1002089</td>
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<td>1002092</td>
<td>20SWINC</td>
<td>2.59 lbs.</td>
<td>$79.55</td>
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<td>20SWENO</td>
<td>1002164</td>
<td>20SWENC</td>
<td>3.27 lbs.</td>
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<tr>
<td>1002134</td>
<td>30PCNO</td>
<td>1002137</td>
<td>30PCNC</td>
<td>2.13 lbs.</td>
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<td>1002173</td>
<td>30SWENC</td>
<td>3.88 lbs.</td>
<td>$97.56</td>
</tr>
</tbody>
</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

PC = Pipe Clamp  WI = Weighted Internally  WE = Weighted Externally  NO = Normally Open  NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

PACKAGING: Bagged - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY SWITCH: single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp 120/230 VAC, 50/60 Hz

NOTE: Suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION
The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below normal.

NORMALLY CLOSED (LOW LEVEL) OPERATION
The control switch closes (turns on) when the float drops slightly below horizontal signaling a low level, and opens (turns off) when the float tips slightly above horizontal.
The Sensor Float® Mini mercury-activated, narrow-angle control switch is designed to accurately monitor liquid levels to activate pump control panels and alarms in:

- non-potable water applications
- sewage applications

This control switch is not sensitive to rotation.

**Normally Open Model (high level)**
The control switch turns on (closes) when the switch tips slightly above horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**Normally Closed Model (low level)**
The control switch turns on (closes) when the switch drops slightly below horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

Contact SJE Rhombus regarding intrinsically safe applications.

**FEATURES**
- Designed for use in confined spaces
- Not sensitive to rotation
- Control differential of .5 inches (1 cm) above or below horizontal

**OPTIONS**
This switch is available:
- for normally open (high level) applications or normally closed (low level) applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:
  - Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device
  - Externally Weighted: for applications where the switch can be suspended from above
SENSOR FLOAT® MINI CONTROL SWITCH - Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<th>Shipping Weight</th>
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<td>10MWENC</td>
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<td>15MWENC</td>
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<td>20MPCNC</td>
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<td>20MWENC</td>
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<td>30MWENC</td>
<td>3.96 lbs.</td>
<td>$88.55</td>
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</table>

PC = Pipe Clamp   WE = Weighted Externally   NO = Normally Open   NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

PACKAGING: Bagged - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY TILT SWITCH: single pole, single throw, mercury-to-metal contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp 120/230 VAC, 50/60 Hz

This switch in not recommended for controlling:

- electric loads less than 30 milliamps, 12 VAC
- non-arcing electric loads

NOTE: Contact SJE Rhombus regarding intrinsically safe applications.

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION
The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below horizontal.

NORMALLY CLOSED (LOW LEVEL) OPERATION
The control switch closes (turns on) when the float drops slightly below horizontal signaling a low level, and opens (turns off) when the float tips slightly above horizontal.
Junction boxes provide a convenient location to connect all wiring required for a typical pumping station, on-site system or other electrical installation.

**FEATURES**

- NEMA 4X, UL Listed, CSA Certified enclosure
- External mounting feet included
- Flexible PVC or neoprene Gasket
- UL Listed and CSA Certified Hub for incoming power/control wires through conduit
  - 1” hub available
  - 1.5” standard with simplex version
  - 2” standard with duplex version
- UL Listed, CSA Certified cable connectors provide strain relief and a liquid tight seal (RCC8, RCC12, RCC16, UFCC8, UFCC12)

**OPTIONS**

Junction Boxes are available with:

- 1/2” (1.27 cm), 3/4” (1.90 cm) or 1” (2.54 cm) UL Listed, CSA Certified round cable liquid-tight strain relief connectors (installed)
- 1/2” (1.27 cm) or 3/4” (1.90 cm) UL Listed, CSA Certified flat UF cable liquid-tight strain relief connectors (installed)
- 1” (2.54 cm), 1 1/2” (3.81 cm), or 2” (5.08 cm) terminal adapter hub (installed)
- Custom connector configurations available

---

**SIDE VIEW**

**TOP VIEW**

4 x 4 x 4 Simplex
P/N 1008547
MODEL: JB444-1.5H-4R8

6 x 6 x 4 Simplex
P/N 1008549
MODEL: JB664-1.5H-4R8

6 x 6 x 4 Duplex
P/N 1008550
MODEL: JB664-2H-5R8

---

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JUNCTION BOXES - Seals electrical connections from moisture and other elements.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Shipping Weight</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1008546</td>
<td>JB444 (no connectors or hub installed)</td>
<td>2 lbs.</td>
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<td>JB444-1.5H-4R8 Simplex</td>
<td>3 lbs.</td>
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<td>1008548</td>
<td>JB664 (no connectors or hub installed)</td>
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<td>JB664-1.5H-4R8 Simplex (small HP pump)</td>
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<td>JB664-2H-5R8 Duplex (small HP pump)</td>
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<td>JB664-1.5H-3R8-1R12 Simplex (large HP pump)</td>
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<td>JB664-2H-3R8-2R12 Duplex (large HP pump)</td>
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<td>1008553</td>
<td>JB884 (no connectors or hub installed)</td>
<td>5 lbs.</td>
<td>$130.02</td>
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NOTE: Descriptions grouped by enclosure size. 444 = 4 x 4 x 4, 664 = 6 x 6 x 4, 884 = 8 x 8 x 4. All enclosure dimensions are in inches. Number before R8 or R12 equals the number of connectors of that size installed. 1.5H = 1 1/2” HUB, 2H = 2” HUB. R8 = RCC8, R12 = RCC12. Small HP pump = Pump cable 18/2 to 14/3 gauge. Large HP pump = Pump cable 14/4 to 10/3 gauge.

**SPECIFICATIONS**

**LID AND BOX:** UL Listed and CSA Certified made from high impact, corrosion resistant, weatherproof thermoplastic

**GASKET:** flexible PVC or neoprene

**SCREWS:** brass or stainless steel

**INTERNAL VOLUME:**
- 4 x 4 x 4 inches is 50.65 cubic inches (830 cubic cm)
- 6 x 6 x 4 inches is 125 cubic inches (2048 cubic cm)
- 8 x 8 x 4 inches is 261.14 cubic inches (4,280 cubic cm)

**EXTERNAL ENCLOSURE SIZE:**
- 4 x 4 x 4 inches (10.16 x 10.16 x 10.16 cm)
- 6 x 6 x 4 inches (15.24 x 15.24 x 10.16 cm)
- 8 x 8 x 4 inches (20.32 x 20.32 x 10.16 cm)

**OTHER INFORMATION**

**CUSTOM CONNECTOR PLACEMENT**
Contact your customer service representative for custom connector placement and pricing.
Please use this form when ordering junction boxes with special connector placements. This is a special order made specifically for SJE Rhombus® customers. Special order products cannot be returned.

COMPANY NAME: ___________________________ CONTACT: ___________________________ PO #: ___________________________
PHONE: __________________ FAX: __________________ EMAIL: __________________ DATE: __________________

**JUNCTION BOX INFORMATION - PLEASE CHECK BOX SIZE**

- **4” x 4” x 4”**
  - CONNECTORS AVAILABLE:
    - RCC - 8 (1/2”)
    - RCC - 12 (3/4”)
    - RCC - 16 (1”) authorized placements only shown by ●
    - UFCC - 8 (1/2”)
    - UFCC - 12 (3/4”)
    - 1” HUB
    - 1.5” HUB
    - 2” HUB
    - 2.5” HUB
  - **NOTE:** For 6” x 6” x 4” junction box, connectors at locations C4, C5, A4 and A5 may make mounting feet difficult to access.

- **6” x 6” x 4”**
  - CONNECTORS AVAILABLE:
    - RCC - 8 (1/2”)
    - RCC - 12 (3/4”)
    - RCC - 16 (1”) authorized placements only shown by ●
    - UFCC - 8 (1/2”)
    - UFCC - 12 (3/4”)
    - 1” HUB
    - 1.5” HUB
    - 2” HUB
    - 2.5” HUB
  - **NOTE:** Available with a 1”, 1.5”, 2”, or 2.5” hub. Hub is always placed in the center of selected side. No other connectors can be installed on the same side as the hub.

**SEE BACKSIDE FOR 8” x 8” x 4”**
### 8" x 8" x 4"

- **C2**
- **C3**
- **C4**
- **C1**

- **D5**
- **D4**
- **D3**
- **D2**

- **B2**
- **B1**
- **B4**

- **A1**
- **A3**
- **A2**
- **A4**

**NOTE:** Available with a 1", 1.5", 2", or 2.5" hub. Hub is always placed in the center of selected side. No other connectors can be installed on the same side as the hub. A 2" or 2.5" hub can’t be mounted on the D side (hinge side) or B side (latch side) of the 8" x 8" x 4" junction box.

### Connectors Available

- **RCC - 8** (1/2")
- **RCC - 12** (3/4")
- **RCC - 16** (1") authorized placements only shown by

- **UFCC - 8** (1/2")
- **UFCC - 12** (3/4")

- **1" HUB**
- **1.5" HUB**
- **2" HUB**
- **2.5" HUB**

### Location Connector Hub

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<thead>
<tr>
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<th>Connector</th>
<th>Hub</th>
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<tr>
<td>10</td>
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</tbody>
</table>

### Notes:

- If you need assistance in completing this form, please call SJE Rhombus Customer Service.

### FOR SJE RHOMBUS INTERNAL USE ONLY

- **ORDER#**
- **CONFIGURATION#**

- **NOTE:** If you need assistance in completing this form, please call SJE Rhombus Customer Service.
CONTROL PANEL ACCESSORIES
To Finish Any Onsite Installation

CORD SEALS
Provides strain relief and a liquid-tight seal.
• Seals 1-4 cables in 2” terminal adapters
• Seals 1-6 cables in 2½” terminal adapters
• PVC plugs included (for unused cable positions)
• Ground wire

SEAL: neoprene
WASHERS: stainless steel
NUT AND BOLT: stainless steel
WIRE/CABLE ACCOMMODATED: SJOW, SJTW, 18/2, 18/3, 16/2, 16/3, 14/2 and 14/3

CABLE CONNECTORS
Provides strain relief and a liquid-tight seal.
• Round and Flat UF cable specifications on back side

UL VDE Approved

HUB ASSEMBLY
Provides liquid-tight conduit attachment location.
• Available in 3/4, 1, 1.5, 2 and 2.5 inch sizes.
• UL Listed and CSA Certified terminal adapter

TERMINAL ADAPTER (HUB): PVC
GASKET: neoprene
LOCK NUT: metal

PANEL MOUNTING POST
Provides easy installation of control panels.
• Removable front access door for easy wiring
• Can be mounted directly into ground, over a 4x4 post, or conduit for a quick, clean, easy installation
• Includes 4 stainless steel mounting bolts
• Includes drilling template
• Accommodates enclosures up to 14 x 12 x 6 inches (35.6 x 30.5 x 15.2 cm)

POST: Polyethylene (34 x 7 x 6 inches)
BOLTS: 4X rated stainless steel with gaskets

RISER MOUNTING KIT
Secures panel mounting post to tank riser.
Includes:
• (2) hub assemblies
• PVC pipe and connecting hardware
• Conduit for routing pump and float from tank riser to post

SIMPLEX INSTALLATION KIT
Provides easy weather-proof wire installation for simplex control panels.
Includes:
• 2” hub assembly
• 2” cord seal (seals 1-4 cables)
• 3/4” hub assembly

DUPLEX INSTALLATION KIT
Provides easy weather-proof wire installation for duplex control panels.
Includes:
• 2.5” hub assembly
• 2.5” cord seal (seals 1-6 cables)
• 3/4” hub assembly

C-LEVEL™ SIMULATOR
Easy-to-use, hand-held test instrument designed to generate an adjustable C-Level™ simulation signal.

4-20mA SIMULATOR
Easy-to-use, hand-held test instrument designed to generate an adjustable 4-20mA signal from loop power.

SUB-X™ TRANSMITTER
Submersible level transmitter with 4-20mA output.
• Available in 7.25 PSI (16.7 ftWC) and 14.5 PSI (33.4 ftWC) ranges
• Includes mounting bracket

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H.5
CONTROL PANEL ACCESSORIES - Cord Seals, Hub Assembly, Simplex Installation Kit, Duplex Installation Kit, Cable Connectors, Panel Mounting Post, Riser Mounting Kit, C-Level™ Sensor Simulator, and 4-20mA Simulator.

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<thead>
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<td>1008517*</td>
<td>4 Cable Cord Seal</td>
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<td>1037126*</td>
<td>6 Cable Cord Seal</td>
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<td>1002574</td>
<td>1/2 inch Round Cable Connector (RCC-8)</td>
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<td>1002575</td>
<td>3/4 inch Round Cable Connector (RCC-12)</td>
<td>$15.07</td>
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<td>1009868</td>
<td>1 inch Round Cable Connector (RCC-16)</td>
<td>$19.02</td>
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<td>1002576</td>
<td>1/2 inch Flat UF Cable Connector (UFCC-8)</td>
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<td>1002577</td>
<td>3/4 inch Flat UF Cable Connector (UFCC-12)</td>
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<tr>
<td>1030564</td>
<td>3/4 inch Hub Assembly</td>
<td>$6.78</td>
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<td>1009305*</td>
<td>1 inch Hub Assembly</td>
<td>$14.05</td>
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<td>1008848*</td>
<td>1.5 inch Hub Assembly</td>
<td>$19.84</td>
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<td>2 inch Hub Assembly</td>
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<td>2.5 inch Hub Assembly</td>
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<tr>
<td>1038027</td>
<td>Panel Mounting Post</td>
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<tr>
<td>1038262</td>
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<td>1053756</td>
<td>Riser Mounting Kit (2.5 inch)</td>
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<td>1038029</td>
<td>Simplex Installation Kit</td>
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<td>1038030</td>
<td>Duplex Installation Kit</td>
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<tr>
<td>1038326</td>
<td>C-Level™ Sensor Simulator</td>
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<tr>
<td>1039199</td>
<td>4-20mA Simulator</td>
<td>$249.31</td>
</tr>
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</table>

*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

SUB-X™ TRANSMITTER - Submersible level transmitter with 4-20mA output.

<table>
<thead>
<tr>
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<th>Description</th>
<th>List Price</th>
</tr>
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<tbody>
<tr>
<td>1051995</td>
<td>Sub-X™ 16.7 ft WC with 25 ft. Cable</td>
<td>$553.00</td>
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<td>1051993</td>
<td>Sub-X™ 16.7 ft WC with 50 ft. Cable</td>
<td>$652.00</td>
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<td>1051992</td>
<td>Sub-X™ 16.7 ft WC with 75 ft. Cable</td>
<td>$736.00</td>
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<tr>
<td>1051991</td>
<td>Sub-X™ 16.7 ft WC with 100 ft. Cable</td>
<td>$822.00</td>
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<tr>
<td>1051996</td>
<td>Sub-X™ 33.4 ft WC with 25 ft. Cable</td>
<td>$553.00</td>
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<td>1051989</td>
<td>Sub-X™ 33.4 ft WC with 50 ft. Cable</td>
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<tr>
<td>1051990</td>
<td>Sub-X™ 33.4 ft WC with 75 ft. Cable</td>
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<tr>
<td>1051994</td>
<td>Sub-X™ 33.4 ft WC with 100 ft. Cable</td>
<td>$822.00</td>
</tr>
</tbody>
</table>

ROUND CABLE SPECIFICATIONS

MATERIAL: polymid flame-resisting, self-extinguishing plastic
O RING: neoprene plastic
HOLE REQUIREMENT: NPT threaded OR clearance holes (jam nut included)

RCC-8
NPT Hub: .5 inch (1.27 cm)
Maximum Diameter: .480 inch (1.22 cm)
Minimum Diameter: .270 inch (.68 cm)
Wire/Cable (AWG) Accommodated: 18/2, 18/3, 18/4, 16/2, 16/3, 16/4, 14/2, and 14/3

RCC-12
NPT Hub: .75 inch (1.90 cm)
Maximum Diameter: .709 inch (1.80 cm)
Minimum Diameter: .545 inch (1.38 cm)
Wire/Cable (AWG) Accommodated: 14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, and 10/3

RCC-16
NPT Hub: 1.0 inch (2.54 cm)
Maximum Diameter: .98 inch (2.49 cm)
Minimum Diameter: .71 inch (1.80 cm)
Wire/Cable (AWG) Accommodated: Round cable with outside diameter within range identified above.

FLAT UF CABLE SPECIFICATIONS

MATERIAL: weather-stabilized thermo plastic
O RING: neoprene plastic
HOLE REQUIREMENT: NPT threaded OR clearance holes (jam nut included)

UFCC-8
NPT Hub: .50 inch (1.27 cm)
Maximum: .26 x .56 inch (.66 - 1.42 cm) slot
Wire/Cable (AWG) Accommodated: 14/2, 12/2, 10/2

UFCC-12
NPT Hub: .75 inch (1.90 cm)
Maximum: .26 x .60 inch (.66 - 1.52 cm) slot
Wire/Cable (AWG) Accommodated: 14/3, 12/3

See Price Book for Pricing.
**CABLE CLAMP ASSEMBLY**

Provides cable anchor point and strain relief. Secures cable in vertical direction.
- For use with 18/16 gauge, 14 gauge, & 12 gauge cable

**MOUNTING CLAMP:** ABS Nylon blend

**HOSE CLAMP:** highly corrosion resistant stainless steel

**FLOAT BRACKET**

Provides convenient installation of float switches.
- Six Float Bracket supports 1-6 floats
- Four Float Bracket supports 1-4 floats
- Can be directly mounted to wall or used with wall mounting device
- Provides convenient location to stow excess float cord
- Supplied with UL Recognized cord strain relief connectors

**METAL COMPONENTS:** all metal components are made of 300 series stainless steel

**STRAIN RELIEF CONNECTORS:** which accommodate 18/2, 18/3, 16/2, 16/3 SJOW and SJTW cords

**PIPE MOUNTING BRACKET**

- Secures discharge pipe to basin wall.
- Clamps directly to 2” PVC discharge pipe.

**CABLE WEIGHT**

Provides an accurate pivot point for suspended float switches.
- Gripper teeth on clip and weight channel securely lock float cable into place
- Cable weight can be adjusted without the use of tools

**HOUSING:** 1 pound, 5 ounce (0.6 kgs.), 2.8 inch diameter x 3.3 inch long (7.1 cm diameter x 8.4 cm), impact resistant, non-corrosive, PVC housing for use in liquids up to 140°F (60°C)

**CLIP:** injection molded acetal plastic

**WIRE/CABLE ACCOMMODATED:** SJOW, SJTW, 18/2, 18/3

**SHIP WEIGHT:** 1.6 lbs. (.726 kgs)

**CABLE WEIGHT MINI**

Provides an accurate pivot point for suspended float switches.
- One piece cable weight
- Turn and Lock for easy installation

**HOUSING:** 9.6 ounces (0.27 kgs.), 2.5 inch diameter x 2.5 inch long (6.35 cm diameter x 6.35 cm), impact resistant, non-corrosive, PVC housing for use in liquids up to 140°F (60°C)

**WIRE/CABLE ACCOMMODATED:** SJOW, SJTW, 18/2, 18/3

**NOTE:** The Cable Weight Mini can be used on the following control switches with 18/2 or 18/3 cable:
- SJE SignalMaster®
- SJE SignalMaster® SPDT
- SJE MilliAmpMaster™
- Sensor Float® Mini

**ELAPSED TIME METER WITH PIGGY-BACK PLUG**

Plugs into switched outlet or piggy-back switch of plugger control panel. Unit must be placed inside an enclosure.
- Screws and mounting adhesive included

**VERTICAL REED SWITCH**

- Control differential: .375 inch (1 cm)
- Maximum angle from vertical: 5°
- Electrical: 250 mAmps, 12-125 VAC, 50/60 Hz
  500 mAmps, 6-12 VDC, 50/60 Hz
- Housing and Float: 1.60 inch diameter x 6.7 inch long (4.06 cm X 17.01 cm), high impact, corrosion resistant PVC for use in sewage and non-potable water up to 120°F (50°C)

**ANCHOR**

- 10 lb. weight
- Yellow, vinyl coated, mushroom style

**CHAIN**

- 1/8” thickness
- 316 grade stainless steel
- Available in one foot increments

**6 HOOK BRACKET**

- Universal hanger for up to 6 float switches, submersible transmitters, and small horsepower pump cords
- Hook diameter: 0.188” x 3.0” (1.8 mm x 76.2 mm)
- 304 stainless steel
## FLOAT ACCESSORIES - Cable Clamp Assembly, Float Brackets, Pipe Mounting Bracket, Cable Weights, ETM w/ Piggy-Back Plug, Vertical Reed Switch, Anchor and Chain.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>List Price</th>
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<tbody>
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<td>18 &amp; 16 Gauge Cable Clamp Assembly</td>
<td>$6.77</td>
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<td>1008574</td>
<td>14 Gauge Cable Clamp Assembly</td>
<td>$6.77</td>
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<tr>
<td>1008575</td>
<td>12 Gauge Cable Clamp Assembly</td>
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<tr>
<td>1027830</td>
<td>304 Stainless Steel Float Bracket with 3 Black Cord Snubbers</td>
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<tr>
<td>1009432*</td>
<td>4 Float Bracket with Mounting Device</td>
<td>$75.37</td>
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<td>1009433</td>
<td>4 Float Bracket without Mounting Device</td>
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<td>6 Float Bracket with Mounting Device</td>
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<td>1009435</td>
<td>6 Float Bracket without Mounting Device</td>
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<td>1009436</td>
<td>Float Bracket Mounting Device</td>
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<td>1027771</td>
<td>Pipe Mounting Bracket</td>
<td>$60.98</td>
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<tr>
<td>1002230*</td>
<td>Cable Weight</td>
<td>$12.13</td>
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<td>Cable Weight Mini</td>
<td>$9.39</td>
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<td>1022846</td>
<td>Elapsed Time Meter w/120V Piggy-Back Plug</td>
<td>$114.13</td>
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<td>1032834</td>
<td>Elapsed Time Meter w/230V Piggy-Back Plug</td>
<td>$245.07</td>
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<tr>
<td>1011027</td>
<td>10 foot Vertical Reed Switch 120V Box</td>
<td>$96.17</td>
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<tr>
<td>1015651</td>
<td>15 foot Vertical Reed Switch 120V Box</td>
<td>$102.85</td>
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<tr>
<td>1018687</td>
<td>10 lb. Mushroom Anchor</td>
<td>$57.25</td>
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<tr>
<td>1018823</td>
<td>1/8 inch Chain</td>
<td>$11.05 per ft.</td>
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<tr>
<td>1052814</td>
<td>6 Hook Bracket</td>
<td>$11.05 per ft.</td>
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*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.