Single phase, simplex capacitor start/run pump control.

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.

**Panel 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 outdoor or indoor use).  
   * Options selected may increase enclosure size and change component layout.
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 kit must be ordered separately.

**Standard Alarm Package**

12. **Red Alarm 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).

**Features**

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' control switches or EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty. This express warranty does not apply to the motor start kit components. 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.

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

**ALARM PACKAGE**
- 0 = select options or no alarm package ........................................... $35.00
- 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float) ........................................ Base

**ENCLOSURE RATING**
- W = Weatherproof, NEMA 4X (engineered thermoplastic) ..................... Base

**STARTING DEVICE**
- 1 = IEC motor contactor 120/208/240V ........................................ Base

**PUMP FULL LOAD AMPS**
- 0 = 0-7 FLA ........................................................................... Base
- 1 = 7-15 FLA ........................................................................... Base
- 2 = 15-20 FLA ........................................................................... Base
- 3 = 20-30 FLA ........................................................................... $32.00
- 4 = 30-40 FLA ........................................................................... $53.00

**PUMP DISCONNECT**
- 0 = no pump disconnect ................................................................ Base
- 4 = circuit breaker ........................................................................ $74.00

**FLOAT SWITCH APPLICATION**
- H or L = pump down or pump up (select 17 option) .............................. Base
- E = EZconnex float switch system (select 33 or 34 option) WITH alarm package ........................................ $81.00
- WITHOUT alarm package ................................................................ $54.00
- X = no floats WITH alarm package ............................................. $81.00
- WITHOUT alarm package ................................................................ $54.00

**OPTIONS** Listed below

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

**TOTAL LIST PRICE**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Red beacon only / no audio (must select 4 if floats included)</td>
<td>$16.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn only / no visual (must select 4 if floats included)</td>
<td>$16.00</td>
</tr>
<tr>
<td>1E</td>
<td>Alarm float</td>
<td>$27.00</td>
</tr>
<tr>
<td>3A</td>
<td>Alarm flasher</td>
<td>$48.00</td>
</tr>
<tr>
<td>3B</td>
<td>Manual alarm reset</td>
<td>$59.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant off</td>
<td>$59.00</td>
</tr>
<tr>
<td>4B</td>
<td>Redundant off indicator &amp; alarm (must select 4A also)</td>
<td>$64.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal cutout/heat sensor auto reset</td>
<td>$42.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal fail circuit and indicator (2 wire)</td>
<td>$170.00</td>
</tr>
<tr>
<td>6A</td>
<td>Auxiliary alarm contact, Form C</td>
<td>$16.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed time meter</td>
<td>$80.00</td>
</tr>
<tr>
<td>8C</td>
<td>Event (cycle) counter</td>
<td>$68.00</td>
</tr>
<tr>
<td>9A</td>
<td>Pump overload specify amperage after number 9 followed by letter &quot;A&quot;. Example: 912A = 12 amp pump.</td>
<td>0-30 FLA $64.00 30-40 FLA $105.00</td>
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<tr>
<td>10E</td>
<td>Lockable latch</td>
<td>$42.00</td>
</tr>
<tr>
<td>10F</td>
<td>Lightning arrester (select pump circuit breaker)</td>
<td>$244.00</td>
</tr>
<tr>
<td>10K</td>
<td>Anti-condensation heater</td>
<td>$106.00</td>
</tr>
<tr>
<td>11C</td>
<td>NEMA 1 alarm panel (must select option 6A)</td>
<td>$95.00</td>
</tr>
<tr>
<td>11D</td>
<td>NEMA 4X alarm panel (must select option 6A)</td>
<td>$315.00</td>
</tr>
<tr>
<td>12B</td>
<td>Customer supplied motor start components, mounted in enclosure by SJE-Rhombus</td>
<td>$117.00</td>
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<tr>
<td>12C</td>
<td>Motor start component, mounted and supplied by SJE Rhombus Call Factory</td>
<td></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>0-20 FLA $477.00 20-40 FLA $509.00</td>
</tr>
</tbody>
</table>

- **113** $982.00
- **W** $81.00
- **1** $54.00
- **H** $81.00
- **L** $54.00
- **X** $81.00
- **E** $54.00
- **16A** 10' cord in lieu of 20' (per float) $3.00
- **16B** 15' cord in lieu of 20' (per float) $2.00
- **16C** 30' cord in lieu of 20' (per float) $5.00
- **16D** 40' cord in lieu of 20' (per float) $15.00
- **17A** SJE SignalMaster* / mounting strap (per float) $2.00
- **17B** SJE SignalMaster* / externally weighted (per float) $5.00
- **17C** Sensor Float* / internally weighted (per float) $9.00
- **17D** Sensor Float* / externally weighted (per float) $11.00
- **17E** Sensor Float* Mini / pipe clamp (per float) $2.00
- **17F** Sensor Float* Mini / externally weighted (per float) $9.00
- **17J** Sensor Float* / internally pipe clamp (per float) $4.00
- **18T** TOA (Test/Off/Automatic) switch and pump run light through door mounted $80.00
- **19U** HOA (Hand/Off/Automatic) switch and pump run light through door mounted $80.00
- **19X** Door mounted pump run indicator $32.00
- **21A** SJE PumpMaster* in lieu of on/off switches $12.00
- **21B** SJE PumpMaster* Plus in lieu of on/off switches $16.00
- **21C** Super Single* in lieu of on/off switches $20.00
- **21D** Double Float* in lieu of on/off switches $39.00
- **33D** EZconnex 3-Port, 25', w/10' floats (3) /pipe clamp $268.00
- **33E** EZconnex 3-Port, 50', w/10' floats (3) /pipe clamp $304.00
- **33G** EZconnex 3-Port, 25', w/20' floats (3) /pipe clamp $288.00
- **33H** EZconnex 3-Port, 50', w/20' floats (3) /pipe clamp $324.00
- **34D** EZconnex 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug $343.00
- **34E** EZconnex 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug $388.00
- **34G** EZconnex 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug $362.00
- **34H** EZconnex 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug $407.00

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*Mechanically-activated ▲ Mercury-activated

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