Three phase, simplex pump control with intrinsically safe circuits.

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.

### PANEL 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 120V control/alarm voltage or 600VAC 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).

**NOTE:** Schematic/Wiring Diagram is located inside the panel on enclosure cover.

### STANDARD ALARM PACKAGE

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).

**NOTE:** (other options available)

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

### FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- 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

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

SEE REVERSE SIDE FOR ORDERING INFORMATION.
### 314

#### MODEL 314

**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

**PUMP FULL LOAD AMPS**

- **208/240/480V**
  - 001 = 1.0-1.6 FLA 
  - 101 = 1.6-2.5 FLA
  - 201 = 2.5-4.0 FLA 
  - 301 = 4.0-6.3 FLA 
  - 401 = 6.0-10.0 FLA 
  - 501 = 9.0-14.0 FLA 
  - 601 = 13.0-18.0 FLA 
  - 701 = 20.0-25.0 FLA 

**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) ............. $58.00
- **X** = no floats
  - **WITH** alarm package ........................................................................ $81.00
  - **WITHOUT** alarm package ................................................................ $54.00

**OPTIONS**

- **Listed below**

<table>
<thead>
<tr>
<th>CODE</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 1E if floats included)</td>
<td>$16.00</td>
</tr>
<tr>
<td>1C</td>
<td>Horn only / no visual (must select 1E if floats included)</td>
<td>$16.00</td>
</tr>
<tr>
<td>1E</td>
<td>Alarm flash</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>$35.00</td>
</tr>
<tr>
<td>4A</td>
<td>Redundant off (select option 4D if floats included, 3C not needed)</td>
<td>$58.00</td>
</tr>
<tr>
<td>4B</td>
<td>Redundant off indicator &amp; alarm (must select 4A also)</td>
<td>$233.00</td>
</tr>
<tr>
<td>4D</td>
<td>Redundant off float (must select 4A option) (must select 17 option)</td>
<td>$27.00</td>
</tr>
<tr>
<td>5A</td>
<td>Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)</td>
<td>$42.00</td>
</tr>
<tr>
<td>5E</td>
<td>Seal failure circuit &amp; red indicator (2 wire)</td>
<td>$170.00</td>
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<tr>
<td>5M</td>
<td>Seal fail alarm activation (must selection option 5E)</td>
<td>$64.00</td>
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<tr>
<td>6A</td>
<td>Auxiliary alarm contact, Form C</td>
<td>$16.00</td>
</tr>
<tr>
<td>6G</td>
<td>Auxiliary contact, dry, seal fail, normally open (must selection option 5E)</td>
<td>$80.00</td>
</tr>
<tr>
<td>8A</td>
<td>Elapsed time meter</td>
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<tr>
<td>8C</td>
<td>Event (cycle) counter</td>
<td>$59.00</td>
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<tr>
<td>10A</td>
<td>Clear inner swing-out door w/dead front (lights and switches mounted on inner door)</td>
<td>$180.00</td>
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<tr>
<td>10E</td>
<td>Lockable latch</td>
<td>$42.00</td>
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<tr>
<td>10G</td>
<td>Lightning arrester</td>
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<tr>
<td>10K</td>
<td>Anti-condensation heater</td>
<td>$166.00</td>
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</table>

**Total Options**

**TOTAL LIST PRICE**

- **0-20 FLA**...............................................$302.00
- **20-25 FLA** ........................................$345.00
- **10' cord in lieu of 20' (per float)** ............... $3.00
- **15' cord in lieu of 20' (per float)** ............... $2.00
- **30' cord in lieu of 20' (per float)** ............... $5.00
- **40' cord in lieu of 20' (per float)** ............... $15.00
- **Sensor Float** / internally weighted (per float) | $9.00
- **Sensor Float** / externally weighted (per float) | $11.00
- **MilliAmpMaster™/ pipe clamp (per float)** | $0.00
- **MilliAmpMaster™/ externally weighted (per float)** | $7.00
- **Sensor Float** / pipe clamp (per float) | $4.00
- **TOA (Test/Off/Automatic) switch and pump run light through door mounted** | $80.00
- **HOA (Hand/Off/Automatic) switch and pump run light through door mounted** | $64.00
- **Door mounted pump run indicator** | $32.00
- **EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp** | $288.00
- **EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp** | $304.00
- **EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp** | $288.00
- **EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp** | $324.00
- **EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug** | $343.00
- **EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug** | $388.00
- **EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug** | $362.00
- **EZconnex® 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug** | $407.00

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