

# MODEL 314 Control Panel

## 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. **Intrinsically Safe Partition** isolates intrinsically safe wiring.
4. **Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
5. **IEC Motor Contactor** controls pump by switching electrical lines.
6. **HOA Switch** for manual pump control (mounted on circuit board).
7. **Multi-tap Transformer** (208/240/480 VAC primary) provides 120V control/alarm voltage or 600VAC primary transformer.
8. **Green Pump Run Indicator Light** (mounted on circuit board).
9. **Alarm Fuse** (mounted on circuit board).
10. **Control Fuse** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Control Power Indicator Light** (mounted on circuit board).
14. **Alarm Power Indicator Light** (mounted on circuit board).

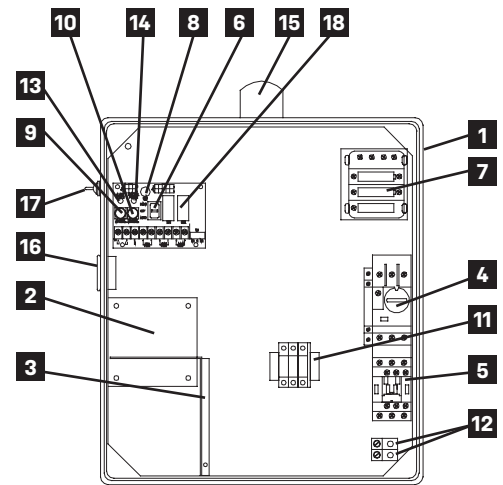
**NOTE:** Schematic/Wiring Diagram is located inside the panel on enclosure cover.

## STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
17. **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.
18. **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.**



Model Shown 3141W511X

## 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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**SEE REVERSE SIDE FOR ORDERING INFORMATION.**

314

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MODEL 314

\$2,584.00

ALARM PACKAGE

- 0 = select options or no alarm package
1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)

ENCLOSURE RATING

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

PUMP FULL LOAD AMPS

208/240/480V

600V

- 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, 511 = 9.0-14.0 FLA, 611 = 13.0-18.0 FLA, 621 = 17.0-23.0 FLA, 701 = 20.0-25.0 FLA
005 = 1.0-1.6 FLA, 105 = 1.6-2.5 FLA, 205 = 2.5-4.0 FLA, 305 = 4.0-6.3 FLA, 405 = 6.0-10.0 FLA, 515 = 9.0-14.0 FLA, 615 = 13.0-18.0 FLA, 625 = 17.0-23.0 FLA, 705 = 20.0-25.0 FLA

FLOAT SWITCH APPLICATION

- H or L = pump down or pump up (select 17 option)
E = EZconnex® float switch system (select 33 or 34 option) WITH alarm package, WITHOUT alarm package
X = no floats WITH alarm package, WITHOUT alarm package

OPTIONS Listed below

Total Options
TOTAL LIST PRICE

Table with 2 columns: CODE DESCRIPTION LIST PRICE and CODE DESCRIPTION LIST PRICE. Lists various options like 1A Red beacon only, 1C Horn only, 1E Alarm float, 3A Alarm flasher, 3B Manual alarm reset, 3C Red high/low indicator light, 3D Float for low indicator, 3E Float for high indicator, 4A Redundant off, 4B Red redundant off indicator & alarm, 4D Redundant off float, 5A Thermal cutout/heat sensor auto reset, 5E Seal failure circuit & red indicator, 5M Seal fail alarm activation, 6A Auxiliary alarm contact, 6G Auxiliary contact, 8A Elapsed time meter, 8C Event counter, 10A Clear inner swing-out door, 10E Lockable latch, 10G Lightning arrestor, 10K Anti-condensation heater, 11C NEMA 1 alarm panel, 11D NEMA 4X alarm panel, 14B Main disconnect, 0-20 FLA, 20-25 FLA, 16A-16D Cords, 17C-17H Sensor Floats, 17G-17H MilliAmpMaster, 17J Sensor Float, 19T TOA switch, 19U HOA switch, 19X Door indicator, 33D-33H EZconnex 3-Port, 34D-34H EZconnex 4-Port.