

# MODEL 114 Control Panel

## Single phase, simplex pump control with intrinsically safe circuits.

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.

## 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 mounting feet 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 the intrinsically safe wiring.
4. **IEC Motor Contactor** controls pump by switching electrical lines.
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. **Control Power Indicator Light** (mounted on circuit board).
10. **Alarm Power Indicator Light** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
14. **Overload Relay** (optional) provides thermal overload protection for pump.

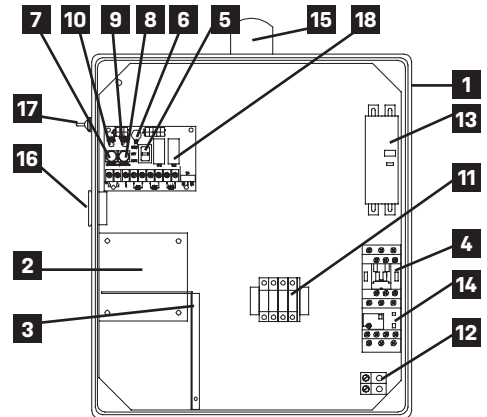
**NOTE:** Schematic/Wiring Diagram is located inside the panel on enclosure cover.

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



Model Shown 1141W114X

## 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. 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.



**SJE RHOMBUS**

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: [customer.service@sjeinc.com](mailto:customer.service@sjeinc.com)

[www.sjerrhombus.com](http://www.sjerrhombus.com) **B.53**

**SEE REVERSE SIDE FOR ORDERING INFORMATION.**

114

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MODEL 114

\$1,772.00

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)

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
3 = 20-30 FLA
4 = 30-40 FLA

PUMP DISCONNECTS

- 0 = no pump disconnect
4 = circuit breaker 120V (select STARTING DEVICE option 9 above)
120/208/240V (select STARTING DEVICE option 1 above)

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 columns: CODE, DESCRIPTION, LIST PRICE, CODE, DESCRIPTION, LIST PRICE. Lists various options like 1A Red beacon only, 1C Horn only, 1E Alarm float, etc.

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