

# MODEL 122 Control Panel

## Single phase, duplex alternating pump control with override.

The Model 122 control 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 audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems and lift stations.

## PANEL COMPONENTS

- 1. Enclosure** measures 10 X 10 X 6 inches (25.4 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 outdoor or indoor use). **Note:** Options selected may increase enclosure size and change component layout.
- 2. Magnetic Motor Contactors** control pumps by switching electrical lines.
- 3. HOA Switches** for manual pump control (mounted on circuit board).
- 4. Control Circuit Board** provides pump control and alternation.
- 5. Green pump Run Indicator Lights** (mounted on circuit board).
- 6. Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
- 7. Ground Lugs**
- 8. Float Status Indicator Lights** (mounted on circuit board).
- 9. Control and Alarm Power Indicator Lights** (mounted on circuit board)
- 10. Auxiliary Alarm Contact**, form C (mounted on circuit board).

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

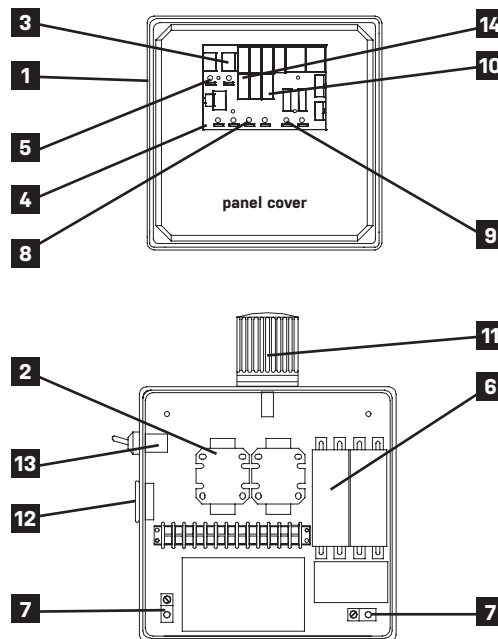
## STANDARD ALARM PACKAGE

- 11. Red Alarm Beacon** provides 360° visual check of alarm condition. **Note:** NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
- 12. 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 horn.
- 13. 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.
- 14. Horn Silence Relay** (mounted on circuit board).

**NOTE:** other options available.

## 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



Model Shown 1221W114X6A



**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.sjehombus.com](http://www.sjehombus.com) **B.39**

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