

MODEL 123 Control Panel

Single phase, duplex capacitor start/run pump control with override.

Model 123 control panels are designed to alternately control two 120, 208, or 240 VAC single phase pumps requiring external starting components in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, these systems provide 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 and lift stations.

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). **Note:** Options selected may increase enclosure size and change component layout.
2. **IEC Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control (mounted on circuit board).
4. **Alternating Circuit Board** provides pump control and alternation (U.S. Patent 5,909,352).
5. **Green pump Run Indicator Lights** (mounted on circuit board).
6. **Incoming Pump Power Terminal Block / Pump Terminal Block**
7. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
8. **Control ON/OFF Switch** (mounted on circuit board).
9. **Ground Lugs**
10. **Float Status Indicator Lights** (mounted on circuit board).
11. **Control / Alarm Power Indicator Light** (mounted on circuit board).
12. **Capacitor Start Modules** - start/run capacitor kits must be ordered separately.

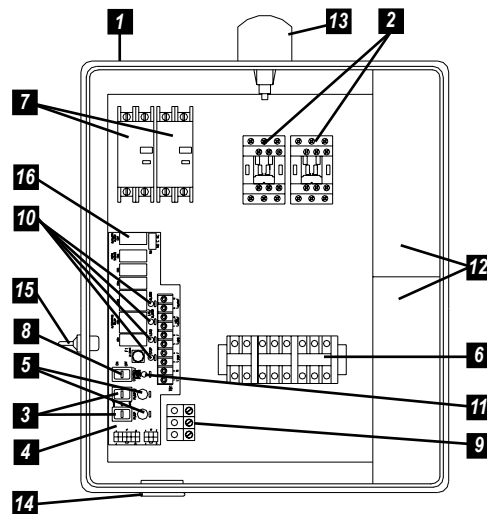
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **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.
16. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 123 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1231W124X

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' SJE SignalMaster® control switches
- 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.



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.