

MODEL 113 Control Panel

Single phase, simplex capacitor start/run pump control.

Model 113 control panels provide a reliable means of controlling one 120, 208, or 240 VAC single phase pump requiring external starting components in water and sewage installations. Two control switches activate an IEC 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 and lift stations.

PANEL COMPONENTS

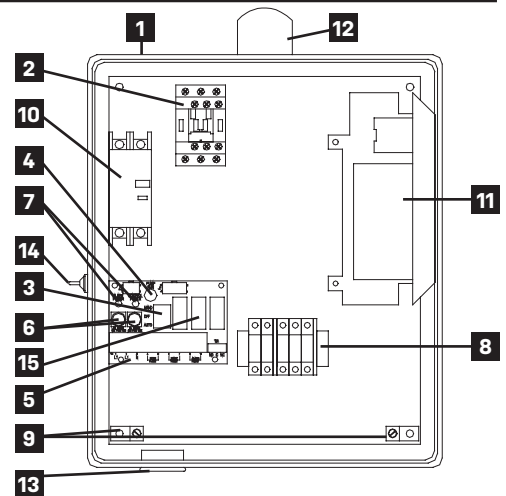
- 1. Enclosure** measures 14 x 12 x 6 inches (35.56 X 30.48 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
* Options selected may increase enclosure size and change component layout.
- 2. IEC Motor Contactor** controls pump by switching electrical lines.
- 3. HOA Switch** for manual pump control (mounted on circuit board).
- 4. Green Pump Run Indicator Light** (mounted on circuit board).
- 5. Float Switch Terminal Block** (mounted on circuit board).
- 6. Alarm and Control Fuses** (mounted on circuit board).
- 7. Alarm and Control Power Indicators** (mounted on circuit board).
- 8. Pump Input Power and Pump Connection Terminal Block**
- 9. Ground Lugs**
- 10. Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
- 11. Capacitor Start Module** - start/run capacitor kit must be ordered separately.

STANDARD ALARM PACKAGE

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

NOTE: other options available.

Model 113 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1131W124X

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. 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

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B.49

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

SEE REVERSE SIDE FOR ORDERING INFORMATION.

SEE PRICE BOOK FOR LIST PRICE.

113**W****1****MODEL 113****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 = IEC motor contactor 120/208/240V

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

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*

Start/run capacitor kits must be ordered separately (see option 12 below or call factory)

- | CODE | DESCRIPTION | CODE | DESCRIPTION |
|------------------------------|--|------------------------------|---|
| <input type="checkbox"/> 1A | Red beacon only / no audio
<i>(must select 1E if floats included)</i> | <input type="checkbox"/> 16A | 10' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 1C | Horn only / no visual
<i>(must select 1E if floats included)</i> | <input type="checkbox"/> 16B | 15' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 1E | Alarm float | <input type="checkbox"/> 16C | 30' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 3A | Alarm flasher | <input type="checkbox"/> 16D | 40' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 3B | Manual alarm reset | <input type="checkbox"/> 17A | SJE SignalMaster® / mounting strap ● <i>(per float)</i> |
| <input type="checkbox"/> 4A | Redundant off
<i>(select option 4D if floats included)</i> | <input type="checkbox"/> 17B | SJE SignalMaster® / externally weighted ● <i>(per float)</i> |
| <input type="checkbox"/> 4B | Red redundant off indicator & alarm
<i>(must select 4A also)</i> | <input type="checkbox"/> 17C | Sensor Float® / internally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 4D | Redundant off float
<i>(must select 4A option) (select 17 option)</i> | <input type="checkbox"/> 17D | Sensor Float® / externally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 5A | Thermal cutout/heat sensor auto reset
<i>(for pumps with thermal switch leads)</i> | <input type="checkbox"/> 17E | Sensor Float® Mini / pipe clamp ▲ <i>(per float)</i> |
| <input type="checkbox"/> 5 E | Seal fail circuit and indicator (2 wire) | <input type="checkbox"/> 17F | Sensor Float® Mini / externally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 6A | Auxiliary alarm contact, Form C | <input type="checkbox"/> 17J | Sensor Float® / internally pipe clamp ▲ <i>(per float)</i> |
| <input type="checkbox"/> 8A | Elapsed time meter | <input type="checkbox"/> 19T | TOA (Test/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 8C | Event (cycle) counter | <input type="checkbox"/> 19U | HOA (Hand/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 9_A | Pump overload
specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump. | <input type="checkbox"/> 19X | Door mounted pump run indicator |
| <input type="checkbox"/> | 0-30 FLA | <input type="checkbox"/> 21A | SJE PumpMaster® in lieu of on/off switches ● |
| <input type="checkbox"/> | 30-40 FLA | <input type="checkbox"/> 21B | SJE PumpMaster® Plus in lieu of on/off switches ● |
| <input type="checkbox"/> 10E | Lockable latch | <input type="checkbox"/> 21C | Super Single® in lieu of on/off switches ▲ |
| <input type="checkbox"/> 10F | Lightning arrestor <i>(select pump circuit breaker)</i> | <input type="checkbox"/> 21D | Double Float® in lieu of on/off switches ▲ |
| <input type="checkbox"/> 10K | Anti-condensation heater | <input type="checkbox"/> 33D | EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp * |
| <input type="checkbox"/> 11C | NEMA 1 alarm panel <i>(must select option 6A)</i> | <input type="checkbox"/> 33E | EZconnex® 3-Port, 50', w/10' floats (3) /pipe clamp * |
| <input type="checkbox"/> 11D | NEMA 4X alarm panel <i>(must select option 6A)</i> | <input type="checkbox"/> 33G | EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp * |
| <input type="checkbox"/> 12B | Customer supplied motor start components, mounted in enclosure by SJE Rhombus | <input type="checkbox"/> 33H | EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp * |
| <input type="checkbox"/> 12C | Motor start component, mounted and supplied by SJE Rhombus | <input type="checkbox"/> 34D | EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> 14B | Main disconnect <i>(rotary style, mounted through door, non-fused, padlockable in the OFF-position, door interlock in the ON-position) (must select circuit breaker)</i> | <input type="checkbox"/> 34E | EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 0-20 FLA | <input type="checkbox"/> 34G | EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 20-40 FLA | <input type="checkbox"/> 34H | EZconnex® 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug * |