

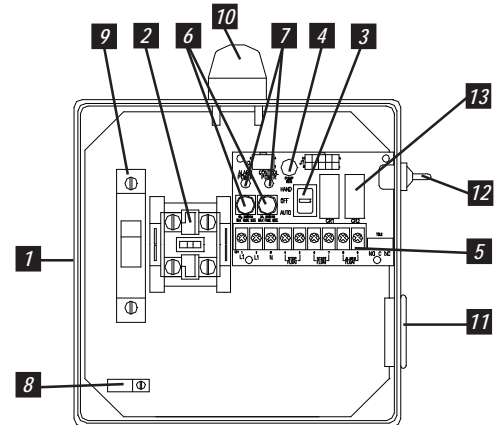
MODEL 112 Control Panel

Single phase, simplex motor contactor control.

The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single phase pump in pump chambers, sump pump basins, irrigation systems and lift stations. 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.

PANEL COMPONENTS

1. **Enclosure** measures 8 x 8 x 4 inches (20.32 X 20.32 X 10.16 cm).
Choice of NEMA 1 (steel for indoor use), or 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. **Magnetic 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. **Ground Lug**
9. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.



Model Shown 1121W914X



STANDARD ALARM PACKAGE

10. **Red Alarm Beacon** provides 360° visual check of alarm condition.
Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
11. **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.
12. **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 has been cleared.
13. **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' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.
SEE PRICE BOOK FOR LIST PRICE.

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112 **1** **I** **1** **1** **4** **H** **4AD6A17A**

MODEL 112

ALARMPACKAGE

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

ENCLOSURERATING

- I = Indoor, NEMA 1 (metal)
- W = Weatherproof, NEMA 4X (engineered thermoplastic)

STARTINGDEVICE

- 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

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)
- X = no floats
- WITH alarm package
- WITHOUT alarm package

OPTIONS *Listed below*

★ ENCLOSURE UPSIZE - If you selected 3 or more of the ★ options, or one ★★ option, add a one-time enclosure upsize fee would apply.

CODE DESCRIPTION

- 1A Red beacon only / no audio
(must select 1E if floats included)
- 1C Horn only / no visual
(must select 1E if floats included)
- 1E Alarm float
- 3A Alarm flasher
- ★ 3B Manual alarm reset
- ★ 4A Redundant off
(select option 4D if floats included)
- ★ 4B Red redundant off indicator & alarm
(must select 4A also)
- 4D Redundant off float
(select 4A option) (select 17 option)
- ★ 5A Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)
- ★★5E Seal failure circuit & red indicator (2 wire)
- 6A Auxiliary alarm contact, form C
- ★ 8A Elapsed time meter
- ★ 8C Event (cycle) counter
- ★★9_A Pump overload
specify amperage after number 9 followed by letter "A".
Example: 912A = 12 amp pump.
- ★★ 0-25 FLA
- ★★ 25-30 FLA
- 10E Lockable latch - NEMA 4X
- 10E Lockable latch - NEMA 1
- ★ 10F Lightning arrestor *(select pump circuit breaker)*
- ★ 10K Anti-condensation heater

CODE DESCRIPTION

- 11C NEMA 1 alarm panel *(must select option 6A)*
 - 11D NEMA 4X alarm panel *(must select option 6A)*
 - ★★14B Main disconnect (rotary style, mounted through door, non-fused)
 - ★★ 0-20 FLA
 - ★★ 20-30 FLA
 - 15A Control / alarm circuit breaker
 - 16A 10' cord in lieu of 20' *(per float)*
 - 16B 15' cord in lieu of 20' *(per float)*
 - 16C 30' cord in lieu of 20' *(per float)*
 - 16D 40' cord in lieu of 20' *(per float)*
 - 17A SJE SignalMaster® / mounting strap ● *(per float)*
 - 17B SJE SignalMaster® / externally weighted ● *(per float)*
 - 17C Sensor Float® / internally weighted ▲ *(per float)*
 - 17D Sensor Float® / externally weighted ▲ *(per float)*
 - 17E Sensor Float® Mini / pipe clamp ▲ *(per float)*
 - 17F Sensor Float® Mini / externally weighted ▲ *(per float)*
 - 17J Sensor Float® / pipe clamp ▲ *(per float)*
 - 19T TOA (Test/Off/Automatic) switch and pump run light through door mounted
 - 19U HOA (Hand/Off/Automatic) switch and pump run light through door mounted
 - 19X Door mounted pump run indicator
 - 21A SJE PumpMaster® in lieu of on/off switches ●
 - 21B SJE PumpMaster® Plus in lieu of on/off switches ●
 - 21C Super Single® in lieu of on/off switches ▲
 - 21D Double Float® in lieu of on/off switches ▲
- Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

