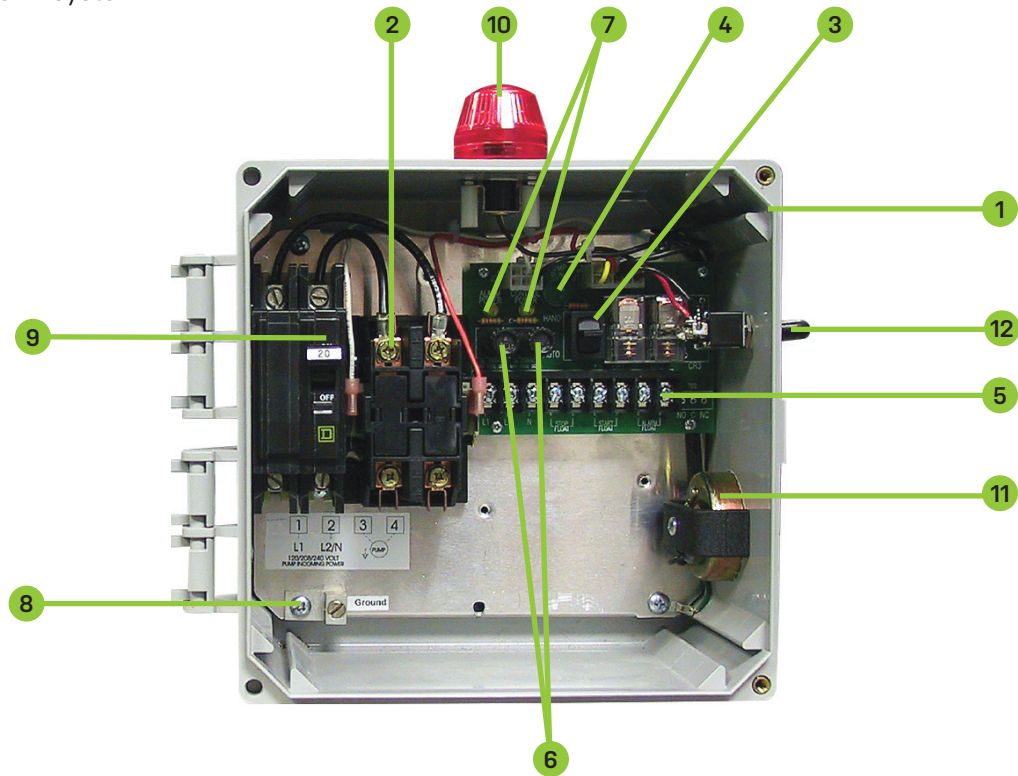


MODEL 112 CONTROL PANEL

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.



Standard Control Panels

PANEL COMPONENTS

Model Shown 1121W114X

1. Enclosure measures 20.32 X 20.32 X 10.16 cm (8 x 8 x 4 inches) - 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 Contactor controls pump by switching electrical lines
3. HOA (Hand/Off/Automatic) Switch for manual pump control
4. Green Pump Run Indicator Light
5. Float Switch Terminal Block
6. Alarm and Control Fuses
7. Alarm and Control Power Indicators
8. Ground Lug
9. Circuit Breaker (optional) provides pump disconnect and branch circuit protection



STANDARD ALARM PACKAGE

10. Red Alarm Beacon
11. Alarm Horn - NEMA 1 style utilizes an internally mounted buzzer in lieu of horn
12. Exterior Alarm Test/Normal/Silence Switch

NOTE: Other options available.



SJE RHOMBUS

Phone: +1 218 847 1317
email: customer.service@sjeinc.com

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

www.sjerrhombus.com B.7

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MODEL 112

ALARM PACKAGE

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

ENCLOSURE RATING

- I = Indoor, NEMA 1 (metal)
- 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

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.

| CODE DESCRIPTION | CODE DESCRIPTION |
|--|--|
| <input type="checkbox"/> 1A Red beacon only / no audio (<i>must select 1E if floats included</i>) | <input type="checkbox"/> 11C NEMA 1 alarm panel <i>must select option 6A</i> |
| <input type="checkbox"/> 1C Horn only / no visual (<i>must select 1E if floats included</i>) | <input type="checkbox"/> 11D NEMA 4X alarm panel <i>must select option 6A</i> |
| <input type="checkbox"/> 1E Alarm float | <input type="checkbox"/> ★★ 14B Main disconnect (rotary style, mounted through door, non-fused) |
| <input type="checkbox"/> 3A Alarm flasher | ★★ <input type="checkbox"/> 0-20 FLA |
| <input type="checkbox"/> ★ 3B Manual alarm reset | ★★ <input type="checkbox"/> 20-30 FLA |
| <input type="checkbox"/> ★★4A Low level cutout (<i>select option 4D if floats included</i>) | <input type="checkbox"/> ★★ 15A Control / alarm circuit breaker |
| <input type="checkbox"/> ★★4B Red low-level indicator & alarm (<i>must select 4A also</i>) | <input type="checkbox"/> 16A 10' cord in lieu of 20' |
| <input type="checkbox"/> 4D Low-level float | <input type="checkbox"/> 16B 15' cord in lieu of 20' |
| <input type="checkbox"/> ★ 5A Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads) | <input type="checkbox"/> 16C 30' cord in lieu of 20' |
| <input type="checkbox"/> ★★5E Seal failure circuit & red indicator (2 wire) | <input type="checkbox"/> 16D 40' cord in lieu of 20' |
| <input type="checkbox"/> 6A Auxiliary alarm contact, form C | <input type="checkbox"/> 17A SJE SignalMaster® / mounting strap ● |
| <input type="checkbox"/> ★ 8A Elapsed time meter | <input type="checkbox"/> 17B SJE SignalMaster® / externally weighted ● |
| <input type="checkbox"/> ★ 8C Event (cycle) counter | <input type="checkbox"/> 17C Sensor Float® / internally weighted ▲ |
| <input type="checkbox"/> ★★9_A Pump overload | <input type="checkbox"/> 17D Sensor Float® / externally weighted ▲ |
| specify amperage after number 9 followed by letter "A". | <input type="checkbox"/> 17E Sensor Float® Mini / pipe clamp ▲ |
| Example: 912A = 12 amp pump. | <input type="checkbox"/> 17F Sensor Float® Mini / externally weighted ▲ |
| ★★ <input type="checkbox"/> 0-25 FLA | <input type="checkbox"/> 17J Sensor Float® / pipe clamp ▲ |
| ★★ <input type="checkbox"/> 25-30 FLA | <input type="checkbox"/> 19T TOA (Test/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 10E Lockable latch - NEMA 4X | <input type="checkbox"/> 19U HOA (Hand/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 10E Lockable latch - NEMA 1 | <input type="checkbox"/> 19X Door mounted pump run indicator |
| <input type="checkbox"/> ★ 10F Lightning arrester (<i>select pump circuit breaker</i>) | <input type="checkbox"/> 21A SJE PumpMaster® in lieu of on/off switches ● |
| <input type="checkbox"/> ★ 10K Anti-condensation heater | <input type="checkbox"/> 21B SJE PumpMaster® Plus in lieu of on/off switches ● |
| <input type="checkbox"/> 11C NEMA 1 alarm panel <i>must select option 6A</i> | <input type="checkbox"/> 21C Super Single® in lieu of on/off switches ▲ |
| <input type="checkbox"/> 11D NEMA 4X alarm panel <i>must select option 6A</i> | <input type="checkbox"/> 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

| | | | | | | | | |
|--|-------|---|---|---|---|---|---|--------|
| MODEL | 112 | 1 | W | 1 | 1 | 4 | H | 8A 17A |
| Alarm Package | _____ | | | | | | | |
| Enclosure Rating | _____ | | | | | | | |
| Starting Device | _____ | | | | | | | |
| Pump Full Load Amps | _____ | | | | | | | |
| Pump Disconnect | _____ | | | | | | | |
| Float Switch Application | _____ | | | | | | | |
| Options: Elapsed Time Meter, SJE SignalMaster® / pipe clamp | _____ | | | | | | | |