

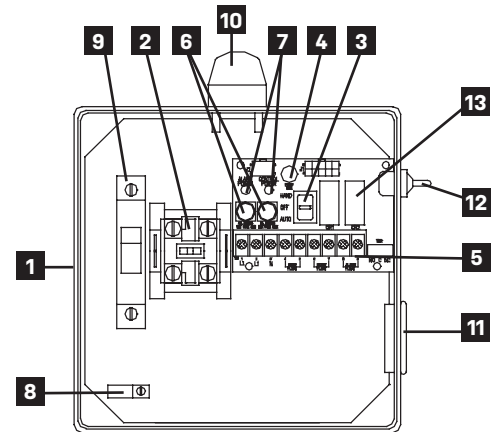
# MODEL 112 Control Panel

## 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' control switches or EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty

## OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Simplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

California Prop 65 requires the following:  WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**SEE REVERSE SIDE FOR ORDERING INFORMATION.**  
**SEE PRICE BOOK FOR LIST PRICE.**



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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 (Enclosure Upsize required)

**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)
- 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*



ENCLOSURE UPSIZE - If you selected 3 or more of the ★ options, or one ★★ option

- | CODE                        | DESCRIPTION  |
|-----------------------------|--|
| <input type="checkbox"/>    | 1A Red beacon only / no audio<br><i>(must select 1E if floats included)</i>  |
| <input type="checkbox"/>    | 1C Horn only / no visual<br><i>(must select 1E if floats included)</i>   |
| <input type="checkbox"/>    | 1E Alarm float   |
| <input type="checkbox"/>    | 3A Alarm flasher   |
| <input type="checkbox"/> ★  | 3B Manual alarm reset  |
| <input type="checkbox"/> ★★ | 4A Redundant off<br><i>(select option 4D if floats included)</i>   |
| <input type="checkbox"/> ★★ | 4B Red redundant off indicator & alarm<br><i>(must select 4A also)</i>   |
| <input type="checkbox"/>    | 4D Redundant off float<br><i>(select 4A option) (select 17 option)</i>   |
| <input type="checkbox"/> ★  | 5A Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)  |
| <input type="checkbox"/> ★★ | 5E Seal failure circuit & red indicator (2 wire)   |
| <input type="checkbox"/>    | 6A Auxiliary alarm contact, form C   |
| <input type="checkbox"/> ★  | 8A Elapsed time meter  |
| <input type="checkbox"/> ★  | 8C Event (cycle) counter   |
| <input type="checkbox"/> ★★ | 9_A Pump overload<br>specify amperage after number 9 followed by letter "A".<br>Example: 912A = 12 amp pump.   |
| <input type="checkbox"/> ★★ | 0-25 FLA   |
| <input type="checkbox"/> ★★ | 25-30 FLA  |
| <input type="checkbox"/>    | 10E Lockable latch - NEMA 4X   |
| <input type="checkbox"/>    | 10E Lockable latch - NEMA 1  |
| <input type="checkbox"/> ★  | 10F Lightning arrester <i>(select pump circuit breaker)</i>  |
| <input type="checkbox"/> ★  | 10K Anti-condensation heater   |
| <input type="checkbox"/> ★★ | 10P Panel Mounting Post (Factory Installed. Includes Simplex Install. Kit)<br><i>(Encl. upsized to 10x8x6. Max 14x12x6)</i>  |
| <input type="checkbox"/>    | 11C NEMA 1 alarm panel <i>(must select option 6A)</i>  |
| <input type="checkbox"/>    | 11D NEMA 4X alarm panel <i>(must select option 6A)</i>   |
| <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)</i><br><i>(must select circuit breaker)</i> |
| <input type="checkbox"/> ★★ | 0-20 FLA   |
| <input type="checkbox"/> ★★ | 20-30 FLA  |

- | CODE                        | DESCRIPTION   |
|-----------------------------|---|
| <input type="checkbox"/> ★★ | 15A Control / alarm circuit breaker   |
| <input type="checkbox"/>    | 16A 10' cord in lieu of 20' <i>(per float)</i>                              |
| <input type="checkbox"/>    | 16B 15' cord in lieu of 20' <i>(per float)</i>                              |
| <input type="checkbox"/>    | 16C 30' cord in lieu of 20' <i>(per float)</i>                              |
| <input type="checkbox"/>    | 16D 40' cord in lieu of 20' <i>(per float)</i>                              |
| <input type="checkbox"/>    | 17A SJE SignalMaster® / mounting strap ● <i>(per float)</i>                 |
| <input type="checkbox"/>    | 17B SJE SignalMaster® / externally weighted ● <i>(per float)</i>            |
| <input type="checkbox"/>    | 17C Sensor Float® / internally weighted ▲ <i>(per float)</i>                |
| <input type="checkbox"/>    | 17D Sensor Float® / externally weighted ▲ <i>(per float)</i>                |
| <input type="checkbox"/>    | 17E Sensor Float® Mini / pipe clamp ▲ <i>(per float)</i>                    |
| <input type="checkbox"/>    | 17F Sensor Float® Mini / externally weighted ▲ <i>(per float)</i>           |
| <input type="checkbox"/>    | 17J Sensor Float® / pipe clamp ▲ <i>(per float)</i>                         |
| <input type="checkbox"/>    | 19T TOA (Test/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/>    | 19U HOA (Hand/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/>    | 19X Door mounted pump run indicator   |
| <input type="checkbox"/>    | 21A SJE PumpMaster® in lieu of on/off switches ●                            |
| <input type="checkbox"/>    | 21B SJE PumpMaster® Plus in lieu of on/off switches ●                       |
| <input type="checkbox"/>    | 21C Super Single® in lieu of on/off switches ▲                              |
| <input type="checkbox"/>    | 21D Double Float® in lieu of on/off switches ▲                              |
| <input type="checkbox"/>    | 33D EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp *                   |
| <input type="checkbox"/>    | 33E EZconnex® 3-Port, 50', w/10' floats (3) /pipe clamp *                   |
| <input type="checkbox"/>    | 33G EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp *                   |
| <input type="checkbox"/>    | 33H EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp *                   |
| <input type="checkbox"/>    | 34D EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug *     |
| <input type="checkbox"/>    | 34E EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug *     |
| <input type="checkbox"/>    | 34G EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug *     |
| <input type="checkbox"/>    | 34H EZconnex® 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug *     |

● Mechanically-activated ▲ Mercury-activated

\* EZconnex® mechanically-activated, narrow angle float switches with quick release connections.

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