

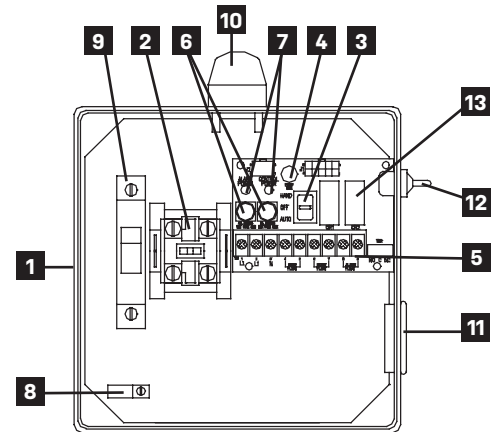
MODEL 112 Control Panel

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

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, add a one-time \$50.00 list enclosure upsize

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 arrester *(select pump circuit breaker)*
- ★ 10K Anti-condensation heater
- ★★10P Panel Mounting Post (Factory Installed. Includes Simplex Install. Kit)
(Encl. upsized to 10x8x6. Max 14x12x6)
- 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, padlockable in the OFF-position, door interlock in the ON-position)*
(must select circuit breaker)
- ★★ 0-20 FLA
- ★★ 20-30 FLA

CODE DESCRIPTION

- ★★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 ●
- 21C Super Single® in lieu of on/off switches ▲
- 21D Double Float® in lieu of on/off switches ▲
- 33D EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp *
- 33E EZconnex® 3-Port, 50', w/10' floats (3) /pipe clamp *
- 33G EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp *
- 33H EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp *
- 34D EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug *
- 34E EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug *
- 34G EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug *
- 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.