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.

**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.
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)
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
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
★★★9A 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 4x2x6)
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

★ ★★ 16A 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
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

★☆ EZconnex® mechanically-activated, narrow angle float switches with quick release connections.

Mechanically-activated ➤ Mercury-activated