

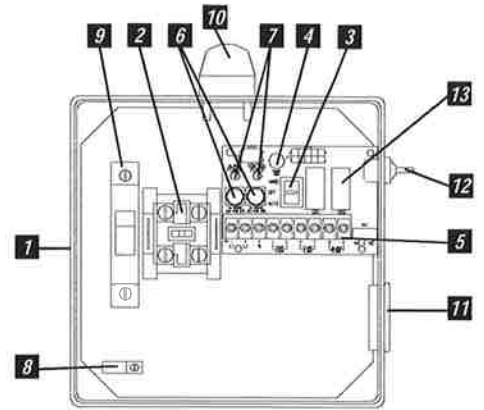
MODEL 112 Control Panel

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' 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.

112							
MODEL 112							
ALARMPACKAGE							
<input type="checkbox"/>	0 = select options or no alarm package						
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)						
ENCLOSURE RATING							
<input type="checkbox"/>	I = Indoor, NEMA 1 (metal)						
<input type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)						
STARTING DEVICE							
<input type="checkbox"/>	1 = magnetic motor contactor 120/208/240V						
<input type="checkbox"/>	9 = magnetic motor contactor 120V only						
PUMP FULL LOAD AMPS							
<input type="checkbox"/>	0 = 0-7 FLA						
<input type="checkbox"/>	1 = 7-15 FLA						
<input type="checkbox"/>	2 = 15-20 FLA						
<input type="checkbox"/>	3 = 20-30 FLA						
PUMP DISCONNECTS							
<input type="checkbox"/>	0 = no pump disconnect						
<input type="checkbox"/>	4 = circuit breaker 120V (select STARTING DEVICE option 9 above) 120/208/240V (select STARTING DEVICE option 1 above)						
FLOAT SWITCH APPLICATION							
<input type="checkbox"/>	H or L = pump down or pump up (select 17 option)						
<input type="checkbox"/>	X = no floats						
<input type="checkbox"/>	WITH alarm package						
<input type="checkbox"/>	WITHOUT alarm package						
OPTIONS <i>Listed below</i>							

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

- | CODE | DESCRIPTION |
|---|---|
| <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 checked="" type="checkbox"/> 14B | Main disconnect (rotary style, mounted through door, non-fused) |
| <input checked="" type="checkbox"/> 0-20 FLA | |
| <input checked="" type="checkbox"/> 20-30 FLA | |
| <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 | SignalMaster® / mounting strap ● <i>(per float)</i> |
| <input type="checkbox"/> 17B | 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 | PumpMaster® in lieu of on/off switches ● |
| <input type="checkbox"/> 21B | 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 ▲ |
- 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	9	1	4	H	3A 8A 17A
Alarm Package								
Enclosure Rating								
Starting Device								
Pump Full Load Amps								
Pump Disconnect								
Float Switch Application								
Options: Flasher, Elapsed Time Meter, SignalMaster® / pipe clamp								