

MODEL 114 Control Panel

Single phase, simplex pump control with intrinsically safe circuits.

The Model 114 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 120, 208, or 240 VAC single phase pump. 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. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates the intrinsically safe wiring.
4. **IEC Motor Contactor** controls pump by switching electrical lines.
5. **HOA Switch** for manual pump control (mounted on circuit board).
6. **Green Pump Run Indicator Light** (mounted on circuit board).
7. **Alarm Fuse** (mounted on circuit board).
8. **Control Fuse** (mounted on circuit board).
9. **Control Power Indicator Light** (mounted on circuit board).
10. **Alarm Power Indicator Light** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
14. **Overload Relay** (optional) provides thermal overload protection for pump.

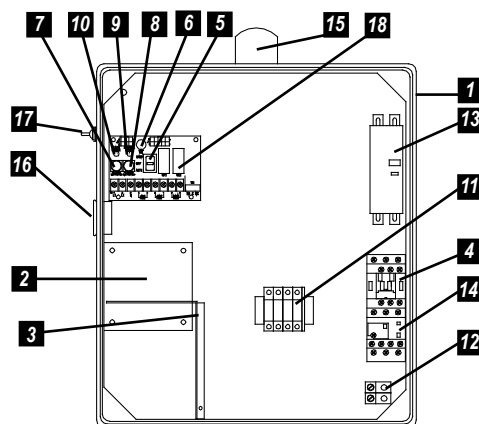
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
17. **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 is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 114 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1141W114X

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Five-year limited warranty. This express warranty does not apply to the motor start kit components. SJE-Rhombus will warranty motor start kit components supplied by SJE-Rhombus for one year. SJE-Rhombus makes no warranties of any type with respect to motor start kits supplied by a customer.



SJE Rhombus

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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

114 W

MODEL 114 \$1704.00

- ALARM PACKAGE**
- 0 = select options or no alarm package.....-\$35.00
 - 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float).....Base

- ENCLOSURE RATING**
- W = Weatherproof, NEMA 4X (engineered thermoplastic)

- STARTING DEVICE**
- 1 = magnetic motor contactor 120/208/240V.....Base
 - 9 = magnetic motor contactor 120V only.....Base

- PUMP FULL LOAD AMPS**
- 0 = 0-7 FLA.....Base
 - 1 = 7-15 FLA.....Base
 - 2 = 15-20 FLA.....Base
 - 3 = 20-30 FLA.....\$30.00
 - 4 = 30-40 FLA.....\$50.00

- PUMP DISCONNECTS**
- 0 = no pump disconnect.....Base
 - 4 = circuit breaker 120V (select STARTING DEVICE option 9 above).....\$35.00
 - 120/208/240V (select STARTING DEVICE option 1 above).....\$70.00

- FLOAT SWITCH APPLICATION**
- H or L = pump down or pump up (select 17 option).....Base
 - X = no floats
 - WITH alarm package.....-\$75.00
 - WITHOUT alarm package.....-\$50.00

OPTIONS *Listed below*

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1A Red beacon only / no audio.....	\$15.00	<input type="checkbox"/>	10A Clear inner swing-out door w/dead front.....	\$170.00
<input type="checkbox"/>	1C Horn only / no visual.....	\$15.00	<input type="checkbox"/>	10E Lockable latch.....	\$40.00
<input type="checkbox"/>	1E Alarm float.....	\$25.00	<input type="checkbox"/>	10F Lightning arrester (must select pump circuit breaker).....	\$230.00
<input type="checkbox"/>	3A Alarm flasher.....	\$45.00	<input type="checkbox"/>	10K Anti-condensation heater.....	\$100.00
<input type="checkbox"/>	3B Manual alarm reset.....	\$90.00	<input type="checkbox"/>	11C NEMA 1 alarm panel (must select option 6A).....	\$80.00
<input type="checkbox"/>	3C Red high / low indicator light.....	\$300.00	<input type="checkbox"/>	11D NEMA 4X alarm panel (must select option 6A).....	\$250.00
<input type="checkbox"/>	3D Float for low indicator.....	\$25.00	<input type="checkbox"/>	12B Motor start components supplied by customer, mounted by SJE-Rhombus (18 x 16 enclosure upgrade).....	\$170.00
<input type="checkbox"/>	4A Redundant off.....	\$55.00	<input type="checkbox"/>	12C Motor start components mounted and supplied by SJE-Rhombus (18 x 16 enclosure upgrade).....	Call Factory
<input type="checkbox"/>	4B Red redundant off indicator & alarm.....	\$240.00	<input type="checkbox"/>	14B Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF-position, door interlock in the ON-position) (must select circuit breaker)	
<input type="checkbox"/>	4D Redundant off float (must select 4A & 17 option)....	\$25.00	<input type="checkbox"/>	0-20 FLA.....	\$285.00
<input type="checkbox"/>	5A Thermal cutout/heat sensor auto reset.....	\$40.00	<input type="checkbox"/>	20-40 FLA.....	\$325.00
<input type="checkbox"/>	5E Seal failure circuit & red indicator (2 wire).....	\$160.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float).....	-\$2.00
<input type="checkbox"/>	5M Seal fail alarm activation.....	\$40.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float).....	-\$1.00
<input type="checkbox"/>	6A Auxiliary alarm contact, form C.....	\$15.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float).....	\$5.00
<input type="checkbox"/>	6G Auxiliary contact, dry, seal fail, normally open (must select option 5E)	\$40.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float).....	\$15.00
<input type="checkbox"/>	8A Elapsed time meter.....	\$75.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float).....	\$5.00
<input type="checkbox"/>	8C Event (cycle) counter.....	\$65.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float).....	\$7.00
<input type="checkbox"/>	9_A Overload protection specify amperage after number 9 followed by letter "A" (Ex. 912A = 12 amp pump)		<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float).....	\$0.00
<input type="checkbox"/>	0-25 FLA.....	\$60.00	<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float).....	\$7.00
<input type="checkbox"/>	25-40 FLA.....	\$100.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float).....	\$0.00
			<input type="checkbox"/>	19T TOA (Test/Off/Automatic) switch and pump run light through door mounted.....	\$75.00
			<input type="checkbox"/>	19U HOA (Hand/Off/Automatic) switch and pump run light through door mounted.....	\$60.00
			<input type="checkbox"/>	19X Door mounted pump run indicator.....	\$30.00

● Mechanically-activated ▲ Mercury-activated

Total Options
TOTAL LIST PRICE

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL 114 1 W 9 1 4 H 912A 17G

- Alarm Package
- Enclosure Rating
- Starting Device
- Pump Full Load Amps
- Pump Disconnect
- Float Switch Application
- Options: Pump Overloads, SJE MilliAmpMaster™ / pipe clamp

114	.....	\$1704.00
1	.....	Base
W	.....	Base
9	.....	Base
1	.....	Base
4	.....	\$35.00
H	.....	Base
912A	.....	\$60.00
17G	.....	\$0.00

TOTAL LIST PRICE \$1799.00