

MODEL 114 Control Panel

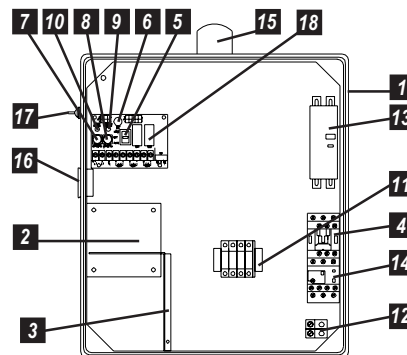
Single phase, simplex pump control with intrinsically safe circuits.

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

- 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).
- Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
- Intrinsically Safe Partition** isolates the intrinsically safe wiring.
- IEC Motor Contactor** controls pump by switching electrical lines.
- HOA Switch** for manual pump control (mounted on circuit board).
- Green Pump Run Indicator Light** (mounted on circuit board).
- Alarm Fuse** (mounted on circuit board).
- Control Fuse** (mounted on circuit board).
- Control Power Indicator Light** (mounted on circuit board).
- Alarm Power Indicator Light** (mounted on circuit board).
- Input Power Terminal Block**
- Ground Lugs**
- Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
- Overload Relay** (optional) provides thermal overload protection for pump.

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



Model Shown 1141W114X

STANDARD ALARM PACKAGE

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

NOTE: other options available.

PRICING/ORDERING INFORMATION

Model Number	AC Voltage	Circuit Breaker	Full Load Amps	List Price	Shipping Weight
1141W914H	120V	Yes	7-15	\$1317.00	24 lbs.
1141W924H	120V	Yes	15-20	\$1317.00	24 lbs.
1141W934H	120V	Yes	20-30	\$1347.00	24 lbs.
1141W944H	120V	Yes	30-40	\$1367.00	24 lbs.
1141W110H	120/208/240V	No	7-15	\$1282.00	24 lbs.
1141W114H	120/208/240V	Yes	7-15	\$1352.00	24 lbs.
1141W120H	120/208/240V	No	15-20	\$1282.00	24 lbs.
1141W124H	120/208/240V	Yes	15-20	\$1352.00	24 lbs.
1141W130H	120/208/240V	No	20-30	\$1312.00	24 lbs.
1141W134H	120/208/240V	Yes	20-30	\$1382.00	24 lbs.
1141W140H	120/208/240V	No	30-40	\$1332.00	24 lbs.
1141W144H	120/208/240V	Yes	30-40	\$1402.00	24 lbs.

Panels include three 20' Sensor Float® normally open control switches.

*Model 114 control panels cannot be returned. Please refer to the Product Return section on page 2.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Standard package includes three 20' Sensor Float® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



PO Box 1708, Detroit Lakes, MN 56502
 1-888-DIAL-SJE • 1-218-847-1317
 1-218-847-4617 Fax
 email: sje@sjerhombus.com

www.sjerhombus.com 33

114

W

MODEL 114

\$1282.00

ALARMPACKAGE

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

ENCLOSURERATING

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

STARTINGDEVICE

- 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 Base
- X = no floats
- WITH alarm package - \$75.00
- WITHOUT alarm package - \$50.00

OPTIONS *Listed below*

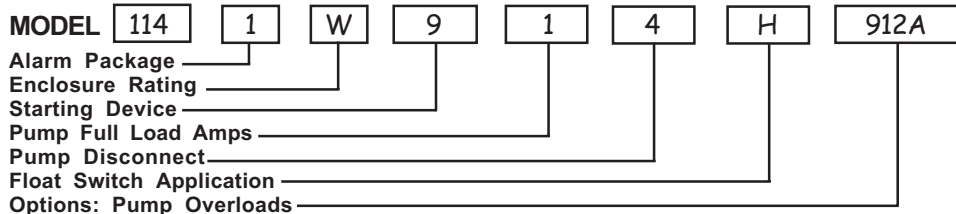
If additional features are required, call the factory for a quote on an Engineered Custom control panel.

Total Options _____
TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1A Red beacon only / no audio <i>(must select 1E if floats included)</i>	\$15.00	<input type="checkbox"/>	10A Clear inner swing-out door w/dead front <i>(lights and switches mounted on inner door)</i>	\$170.00
<input type="checkbox"/>	1C Horn only / no visual <i>(must select 1E if floats included)</i>	\$15.00	<input type="checkbox"/>	10E Lockable latch	\$30.00
<input type="checkbox"/>	1E Alarm float	\$25.00	<input type="checkbox"/>	10F Lightning arrester	\$160.00
<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 <i>(must select option 6A)</i>	\$65.00
<input type="checkbox"/>	3C Red high / low indicator light & alarm activation	\$300.00	<input type="checkbox"/>	11D NEMA 4X alarm panel <i>(must select option 6A)</i>	\$170.00
<input type="checkbox"/>	3D Float for low indicator <i>(must select option 3C)</i>	\$25.00	<input type="checkbox"/>	12B Motor start components <i>supplied by customer, mounted by SJE-Rhombus (18 x 16 enclosure upgrade)</i>	\$170.00
<input type="checkbox"/>	4A Low-level cutout <i>(select option 4D if floats included)</i>	\$55.00	<input type="checkbox"/>	12C Motor start components <i>mounted and supplied by SJE-Rhombus (18 x 16 enclosure upgrade)</i>	Call Factory
<input type="checkbox"/>	4B Red low-level indicator & alarm <i>(must select 4A also)</i>	\$240.00	<input type="checkbox"/>	14B Disconnect (rotary style, mounted through door, non-fused	
<input type="checkbox"/>	4D Low-level float	\$25.00	<input type="checkbox"/>	0-20 FLA	\$285.00
<input type="checkbox"/>	5A Thermal cutout	\$40.00	<input type="checkbox"/>	20-40 FLA	\$325.00
<input type="checkbox"/>	5E Seal failure circuit & red indicator	\$160.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' <i>(per float)</i>	- \$2.00
<input type="checkbox"/>	5M Seal fail alarm activation <i>(must selection option 5E)</i>	\$40.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' <i>(per float)</i>	- \$1.00
<input type="checkbox"/>	6A Auxiliary alarm contact, form C type	\$15.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' <i>(per float)</i>	\$5.00
<input type="checkbox"/>	6G Auxiliary contact, dry, seal fail, normally open <i>(must select option 5E)</i>	\$40.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' <i>(per float)</i>	\$15.00
<input type="checkbox"/>	8A Elapsed time meter	\$75.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ <i>(per float)</i>	\$5.00
<input type="checkbox"/>	8C Event (cycle) counter	\$65.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ <i>(per float)</i>	\$7.00
<input type="checkbox"/>	9_A Overload protection <i>specify amperage after number 9 followed by letter "A" (Ex. 912A = 12 amp pump)</i>		<input type="checkbox"/>	17G MilliAmpMaster™/ pipe clamp ● <i>(per float)</i>	\$0.00
<input type="checkbox"/>	0-25 FLA	\$60.00	<input type="checkbox"/>	17H MilliAmpMaster™/ externally weighted ● <i>(per float)</i>	\$7.00
<input type="checkbox"/>	25-40 FLA	\$100.00	<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

SAMPLE



LIST PRICE	114	.....	\$1282.00
	1	.....	Base
	W	.....	Base
	9	.....	Base
	1	.....	Base
	4	.....	\$35.00
	H	.....	Base
	912A	.....	\$60.00

TOTAL LIST PRICE \$1377.00