

MODEL 314 Control Panel

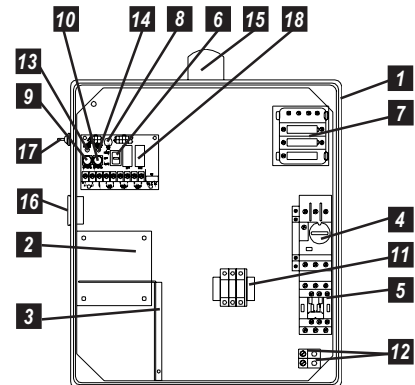
Three phase, simplex pump control with intrinsically safe circuits.

The Model 314 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 208/240/480 VAC three 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 flanges for outdoor or indoor use).
2. **Intrinsically Safe Module** limit the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates intrinsically safe wiring.
4. **Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
5. **IEC Motor Contactor** controls pump by switching electrical lines.
6. **HOA Switch** for manual pump control (mounted on circuit board).
7. **Multi-tap Transformer** (208/240/480 VAC primary) provides 120V control/alarm voltage.
8. **Green Pump Run Indicator Light** (mounted on circuit board).
9. **Alarm Fuse** (mounted on circuit board).
10. **Control Fuse** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Control Power Indicator Light** (mounted on circuit board).
14. **Alarm Power Indicator Light** (mounted on circuit board).

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



Model Shown 3141W511X

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)

PRICING/ORDERING INFORMATION

Model Number	AC Voltage	Full Load Amps	List Price	Shipping Weight
3141W001H	208/240/480 VAC	1.0-1.6	\$1871.00	25 lbs.
3141W101H	208/240/480 VAC	1.6-2.5	\$1871.00	25 lbs.
3141W201H	208/240/480 VAC	2.5-4.0	\$1871.00	25 lbs.
3141W301H	208/240/480 VAC	4.0-6.3	\$1871.00	25 lbs.
3141W401H	208/240/480 VAC	6.0-10.0	\$1871.00	25 lbs.
3141W511H	208/240/480 VAC	9.0-14.0	\$1916.00	25 lbs.
3141W611H	208/240/480 VAC	13.0-18.0	\$1916.00	25 lbs.
3141W621H	208/240/480 VAC	17.0-23.0	\$1926.00	25 lbs.
3141W701H	208/240/480 VAC	20.0-25.0	\$1826.00	25 lbs.

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

*Model 314 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



SJE Rhombus
CONTROLS

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MODEL 314 \$1871.00

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) Base

PUMP FULL LOAD AMPS

001 = 1.0-1.6 FLA Base

101 = 1.6-2.5 FLA Base

201 = 2.5-4.0 FLA Base

301 = 4.0-6.3 FLA Base

401 = 6.0-10.0 FLA Base

511 = 9.0-14.0 FLA \$45.00

611 = 13.0-18.0 FLA \$45.00

621 = 17.0-23.0 FLA \$55.00

701 = 20.0-25.0 FLA \$55.00

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*

Total Options _____

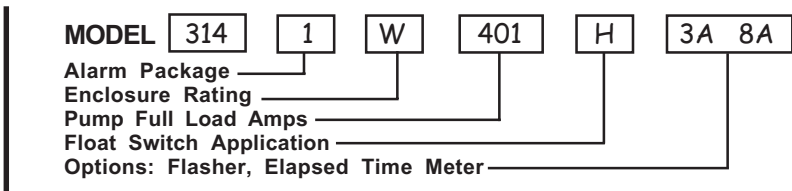
TOTAL LIST PRICE _____

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

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"/> 8A	Elapsed time meter	\$75.00
<input type="checkbox"/> 1C	Horn only / no visual <i>(must select 1E if floats included)</i>	\$15.00	<input type="checkbox"/> 8C	Event (cycle) counter	\$65.00
<input type="checkbox"/> 1E	Alarm float	\$25.00	<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"/> 3A	Alarm flasher	\$45.00	<input type="checkbox"/> 10E	Lockable latch	\$30.00
<input type="checkbox"/> 3B	Manual reset alarm	\$90.00	<input type="checkbox"/> 10G	Lightning arrester	\$150.00
<input type="checkbox"/> 3C	Red high / low indicator light & alarm activation	\$300.00	<input type="checkbox"/> 10K	Anti-condensation heater.....	\$100.00
<input type="checkbox"/> 3D	Float for low indicator <i>(must select option 3C)</i> .. <i>(must select option 3C)</i>	\$25.00	<input type="checkbox"/> 11C	NEMA 1 alarm panel <i>(must select option 6A)</i>	\$65.00
<input type="checkbox"/> 3E	Float for high indicator	\$25.00	<input type="checkbox"/> 11D	NEMA 4X alarm panel <i>(must select option 6A)</i>	\$170.00
<input type="checkbox"/> 4A	Low-level cutout	\$55.00	<input type="checkbox"/> 14B	Main disconnect (rotary style, mounted through door) non-fused	
<input type="checkbox"/> 4B	Red low-level indicator & alarm	\$220.00	<input type="checkbox"/>	0-20 FLA	\$285.00
<input type="checkbox"/> 4D	Low-level float.....	\$25.00	<input type="checkbox"/>	20-25 FLA	\$325.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset..... <i>(for pumps w/thermal switch leads)</i>	\$40.00	<input type="checkbox"/> 16A	10' cord in lieu of 20' <i>(per float)</i>	- \$2.00
<input type="checkbox"/> 5E	Seal failure circuit & red indicator (2 wire).....	\$160.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' <i>(per float)</i>	- \$1.00
<input type="checkbox"/> 5M	Seal fail alarm activation	\$60.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' <i>(per float)</i>	\$5.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C type	\$15.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' <i>(per float)</i>	\$15.00
<input type="checkbox"/> 6G	Auxiliary contact, dry, seal fail, normally open ... <i>(must select option 5E)</i>	\$40.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ <i>(per float)</i>	\$5.00
			<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ <i>(per float)</i>	\$7.00
			<input type="checkbox"/> 17G	MilliAmpMaster™/ pipe clamp ● <i>(per float)</i>	\$0.00
			<input type="checkbox"/> 17H	MilliAmpMaster™/ externally weighted ● <i>(per float)</i>	\$7.00
			<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	314	.....	\$1871.00
	1	.....	Base
	W	.....	Base
	401	.....	Base
	H	.....	Base
	3A	.....	\$45.00
	8A	.....	\$75.00
TOTAL LIST PRICE			\$1991.00