

Leading Edge Design



Reference Probe

- ▶ Two wire combination point probe, and reference probe, designed into ONE sensor, simplifies installation, mount at low level.

Point Level Probe

- ▶ One wire probe, mount at high level.



- ▶ Liquid level relay includes time delay, sensitivity adjustment and selectable fill or drain — change on the fly without rewiring sensor probes.
- ▶ For water, dewatering and storm water applications.

Simple Installation

Place the reference probe at the low level, and the point level probe at the high level. The liquid level relay in the panel can change automatically to fill or drain tank with a simple slide switch on the relay.

SINGLE PHASE SIMPLEX

Pump Volts	Pump Amps	Two 20 ft Probes Included Type 1/4X (Indoor/Outdoor Enclosure)		Three 20 ft Probes Included Includes Alarm System on Panel	
		With Circuit Breaker	Without Circuit Breaker	With Circuit Breaker	Without Circuit Breaker
120	0-15 FLA	SP11-000	SP11-006	SP11-012	SP11-018
120	16-20 FLA	SP11-001	SP11-007	SP11-013	SP11-019
120	21-30 FLA	SP11-002	SP11-008	SP11-014	SP11-020
120/230	0-15 FLA	SP11-003	SP11-009	SP11-015	SP11-021
120/230	16-20 FLA	SP11-004	SP11-010	SP11-016	SP11-022
120/230	21-30 FLA	SP11-005	SP11-011	SP11-017	SP11-023

SINGLE PHASE DUPLEX

Pump Volts	Pump Amps	Three 20 ft Probes Included Type 1/4X (Indoor/Outdoor Enclosure)		Four 20 ft Probes Included Includes Alarm System on Panel	
		With Circuit Breakers	Without Circuit Breakers	With Circuit Breakers	Without Circuit Breakers
120	0-15 FLA	SP12-000	SP12-006	SP12-012	SP12-018
120	16-20 FLA	SP12-001	SP12-007	SP12-013	SP12-019
120	21-30 FLA	SP12-002	SP12-008	SP12-014	SP12-020
120/230	0-15 FLA	SP12-003	SP12-009	SP12-015	SP12-021
120/230	16-20 FLA	SP12-004	SP12-010	SP12-016	SP12-022
120/230	21-30 FLA	SP12-005	SP12-011	SP12-017	SP12-023

Ordering example grid →

ORDERING EXAMPLE

Single phase duplex control panel for pumps 21-30 AMPS, 120/230 VAC, Type 1/ 4X enclosure, no circuit breakers = Part Number SP12-011.

20 ft cable lengths on probes are standard. For longer lengths, use increments of 10 feet and place a dash after the panel model number with specified cable length (i.e., 30 ft cable length, SP12-011-30. Contact customer service for current pricing per additional foot of cable length, 218-483-3034.

Add option codes as required (see back).

Features

Enclosure

Thermoplastic, Type 1/4X

HOA Switch

Automatic or manual pump control

Green Pump Run Indicator

Fused Control Disconnect (Provides on/off function)

Alternating Relay (Duplex only)

IEC Motor Contactor

Field Wiring Terminal Block

Terminal Block Field Wiring label

Ground Lug

Suspension Probe Sensors

Probe Sensors Labeled For easy field wiring

Alarm Fuse

(Model Specific)

Alarm Indicator

Top mounted beacon (Model Specific)

Alarm Buzzer

Loud 100 db warble (Model Specific)

Auto Reset

Horn silence (Model Specific)

Test/Silence Switches

(Model Specific)

3-Year Warranty

Industrial Control Panel (UL 508A)



THREE PHASE SIMPLEX

Pump Amps	Pump Volts	Two 20ft Probes Included Type 1/4X Enclosure (Indoor/Outdoor)	Three 20ft Probes Included Includes Alarm System on Panel
1.0-1.6 FLA	208/230/460 VAC	SP31-000	SP31-010
1.6-2.5 FLA	208/230/460 VAC	SP31-001	SP31-011
2.5-4.0 FLA	208/230/460 VAC	SP31-002	SP31-012
4.0-6.3 FLA	208/230/460 VAC	SP31-003	SP31-013
6.0-10.0 FLA	208/230/460 VAC	SP31-004	SP31-014
9.0-14.0 FLA	208/230/460 VAC	SP31-005	SP31-015
13.0-18.0 FLA	208/230/460 VAC	SP31-006	SP31-016
17.0-23.0 FLA	208/230/460 VAC	SP31-007	SP31-017
20.0-25.0 FLA	208/230/460 VAC	SP31-008	SP31-018
24.0-32.0 FLA	208/230/460 VAC	SP31-009	SP31-019

THREE PHASE DUPLEX

Pump Amps	Pump Volts	Three 20ft Probes Included Type 1/4X Enclosure (Indoor/Outdoor)	Four 20ft Probes Included Includes Alarm System on Panel
1.0-1.6 FLA	208/230/460 VAC	SP32-000	SP32-010
1.6-2.5 FLA	208/230/460 VAC	SP32-001	SP32-011
2.5-4.0 FLA	208/230/460 VAC	SP32-002	SP32-012
4.0-6.3 FLA	208/230/460 VAC	SP32-003	SP32-013
6.0-10.0 FLA	208/230/460 VAC	SP32-004	SP32-014
9.0-14.0 FLA	208/230/460 VAC	SP32-005	SP32-015
13.0-18.0 FLA	208/230/460 VAC	SP32-006	SP32-016
17.0-23.0 FLA	208/230/460 VAC	SP32-007	SP32-017
20.0-25.0 FLA	208/230/460 VAC	SP32-008	SP32-018
24.0-32.0 FLA	208/230/460 VAC	SP32-009	SP32-019

PANEL OPTIONS

For ALL Single and Three Phase Control Panels

Contact our customer service for current panel options available, 218-483-3034. Various options include: event counter, elapsed time meter, auxiliary alarm contacts, alarm flasher, lightning protection, 4th float (separate lag from alarm), single phase overload protection, anti-condensation heater, and more.

SUSPENSION PROBE

To order spare or extra sensors, use the following model numbers:

SPS-XX (single)

└ Cable length in multiples of 10 ft (i.e.: 30, 40, 50, etc.)

SPR-XX (dual)

└ Cable length in multiples of 10 ft (i.e.: 30, 40, 50, etc.)

CUSTOM CAPABILITY

Any panel can be designed to meet your needs. Our professional customer service quickly prepares quotes so you can bid your jobs fast. Submittals may be obtained upon request. Common applications for custom panels include: lift stations, irrigation systems, pressure booster systems, storm water and many more. Call for a complete quote.

Features

Enclosure

Thermoplastic, Type 1/4X

HOA Switch

Automatic or manual pump control

Green Pump Run Indicator

Fused Control Disconnect
(Provides on/off function)

Alternating Relay
(Duplex only)

Multi-Tap Transformer

IEC Motor Contactor

Motor Protective Switch

Field Wiring Terminal Block

Terminal Block Field
Wiring label

Ground Lug

Suspension Probe Sensors

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For easy field wiring

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Alarm Buzzer

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Horn silence (Model Specific)

Test/Silence Switches

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3-Year Warranty

Industrial Control Panel
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L1115 Rev C



Leading Edge Control Products

Engineered Products

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