



Mini Float/Float Type Level Switch

Model : SOL/ST- Point

ST-□S

Float Type Level Switch

Features

- Ideally suited on liquid tanks of oil, hydrochloric acid, sulfuric acid, etc.

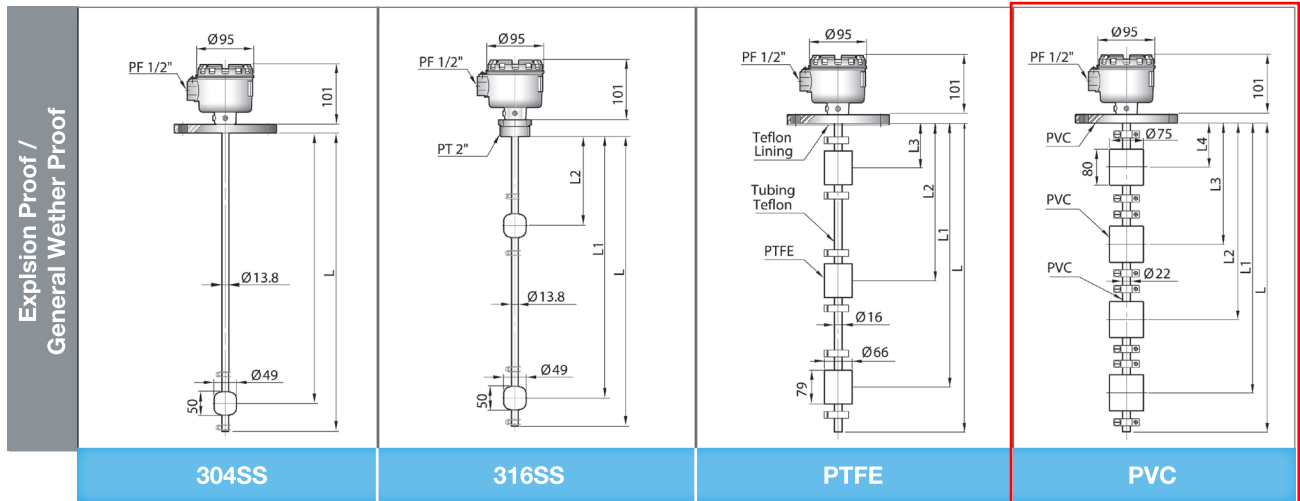
Principle

Hermetically-sealed reed switches inside the stem are activated by the permanent magnet inside the float which rises and falls with the changes of liquid Level.

Resistance value is changed according to the operation of reed switches.

Total resistance value is selected by the unit and transmit relay output.

Overall Dimensions



Specifications

► Level Switch

| DESCRIPTION | | Type | 304SS | 316SS | PVC | PTFE |
|------------------------------------|------------------------|------|--|----------------------|--|------|
| Electric Rating / SPST (Resistive) | Max. Contact Rating | | 50W / 70VA | | | |
| | Max. Switching Current | | 0.5A | | | |
| | Max. Switching Voltage | | 300V AC / 350V DC | | | |
| Electric Rating / SPDT(Resistive) | Max. Contact Rating | | 5W | | | |
| | Max. Switching Current | | DC 0.4A / AC 0.28A | | | |
| | Max. Switching Voltage | | 125V AC / 175V DC | | | |
| Temperature | Electronics | | -10 ~ +60 °C | | | |
| | Probe | | -20 ~ +120 °c / -20 ~ +150 °C (Option) | -20 ~ +60 °C | -20 ~ +120 °C / -20 ~ +150 °C (Option) | |
| Operating Pressure | | | 10Kgf/cm ² , 15Kgf/cm ² (Option) | 2Kgf/cm ² | 0.5Kgf/cm ² | |
| Specific Gravity | | | 0.65 Min. | 0.5 Min. | 0.75 Min. | |
| Lead Wire | | | Weather Proof, Explosion Proof (Ex d II C T6, IP65) | | | |

ST-□S

Specifications

► Level Controller

| DESCRIPTION | Type | Multi-Wire | 2-Wire |
|-------------------------|------|---|---|
| Sensor (Output Voltage) | | 12V DC | 24V DC |
| Contact Rating | | 250V AC, 5A | |
| Power Supply | | 110or 220V AC±10%, 50/60Hz | 110/220V AC ±10%, 50/60Hz |
| Ambient Temperature | | -10 ~ +60 °C | |
| Control Output | | SLC-100U : Control | SLCA-HL-2W : Bz, L/AL, Control, H/AL SLA-4P-Q : LL, L, H, HH (Bz, C1, C2, H/AL) |
| Fuse Rating | | N / A | 250V AC, 0.1A |
| Material | | Base Plate : ABS + Glass Cover : ABS | Unburnable ABS |
| Mounting Method | | Rack / Wall Mount | Wall Mount |
| Dimensions(mm) | | 49(W) x 60(H) x 69(D) | 87(W) x 156(H) x 68.2(D) |

Ordering Information

■ Float Type Level Switch (304SS/316SS/PTFE)

ST - 1S A 1 A 1 A 1 B 3

CONDUIT CONNECTION

- 1 = PF 3/4"
- 2 = PT 3/4"
- 3 = PF 1/2" (Ex/ADC-Std.)
- 4 = PT 1/2"
- 5 = NPT 1/2"
- 6 = NPT 3/4"
- OP=etc.

ENCLOSURE

- B = Weather Proof (ADC)
- C = Explosion Proof (Ex d II C T6, IP65)

OPERATING TEMPERATURE

- 1 = -20 ~ + 80°C (Std.)
- 2 = -20 ~ +120°C
- 3 = -20 ~ +150°C (Option)

MOUNTING SIZE

- A = JIS 10K 80A 6t FF Flange (Std.)
- B = JIS 10K 100A 6t FF Flange (Std.)
- C = PT 2"
- D = JIS 10K 80A FF Flange
- E = JIS 10K 100A FF Flange
- OP = etc.

MEASURING LENGTH

- 1 = 0 ~ 1M
- 2 = 0 ~ 2M
- 3 = 0 ~ 3M
- 4 = 0 ~ 4M
- 5 = 0 ~ 5M
- 6 = 0 ~ 6M (6M Max.)

WET PART MATERIAL

- A = 304SS (Std.)
- B = 316LSS
- D = PTFE

TYPE OF WIRE CONNECTION

- 1 = Multi-Wire (Std.)
- 2 = 2 Wire

NUMBER OF FLOAT

- A = 1 EA (Std.) (Min. Length 80 mm)
- B = 2 EA (Min. Length 170 mm)
- C = 3 EA (Min. Length 250 mm)
- D = 4 EA (Min. Length 330 mm)
- E = 5 EA (Min. Length 410 mm)

* PTFE is the same as PVC

NUMBER OF POINT (1M)

- 1 S = 1 point
- 2 S = 2 point
- 3 S = 3 point
- 4 S = 4 point
- 5 S = 5 point

■ When placing an order, selected ordering number should be indicated on the purchase order sheet.

Ordering Information

■ Float Type Level Switch (PVC)

ST- 1S A 1 C 1 A 1 B 3

CONDUIT CONNECTION

1 = PF 3/4"
 2 = PT 3/4"
 3 = PF 1/2" (Std.)
 4 = PT 1/2"
 5 = NPT 1/2"
 6 = NPT 3/4"
 OP=etc.

ENCLOSURE

B = Weather Proof (ADC Std.)
 C = Explosion Proof (Ex d IIC T6, IP65)

OPERATING TEMPERATURE

1= -20 ~ +60 °C (Std.)

MOUNTING SIZE

A = JIS 10K 80A FF Flange (Std.)
 B = JIS 10K 100A FF Flange (Std.)
 OP = etc.

MEASURING LENGTH

1 = 0 ~ 1M
 2 = 0 ~ 2M
 3 = 0 ~ 3M
 4 = 0 ~ 4M
 5 = 0 ~ 5M
 6 = 0 ~ 6M (6M Max.)

WET PART MATERIAL

C = PVC

TYPE OF WIRE CONNECTION

1 = Multi - Wire (Std.)
 2 = 2 Wire

NUMBER OF FLOAT

A = 1 EA (Std.) (Min. Length 110 mm)
 B = 2 EA (Min. Length 300 mm)
 C = 3 EA (Min. Length 450 mm)
 D = 4 EA (Min. Length 600 mm)
 E = 5 EA (Min. Length 750 mm)

NUMBER OF POINT (1M)

1S = 1 point
 2S = 2 point
 3S = 3 point
 4S = 4 point
 5S = 5 point

■ When placing an order, selected ordering number should be indicated on the purchase order sheet.

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■ Specifications subject to change without notice