

Mini Float/Float Type Level Switch

Model : SOL-Series/ST-□S



ST-□S

Float Type Level Switch

Features

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

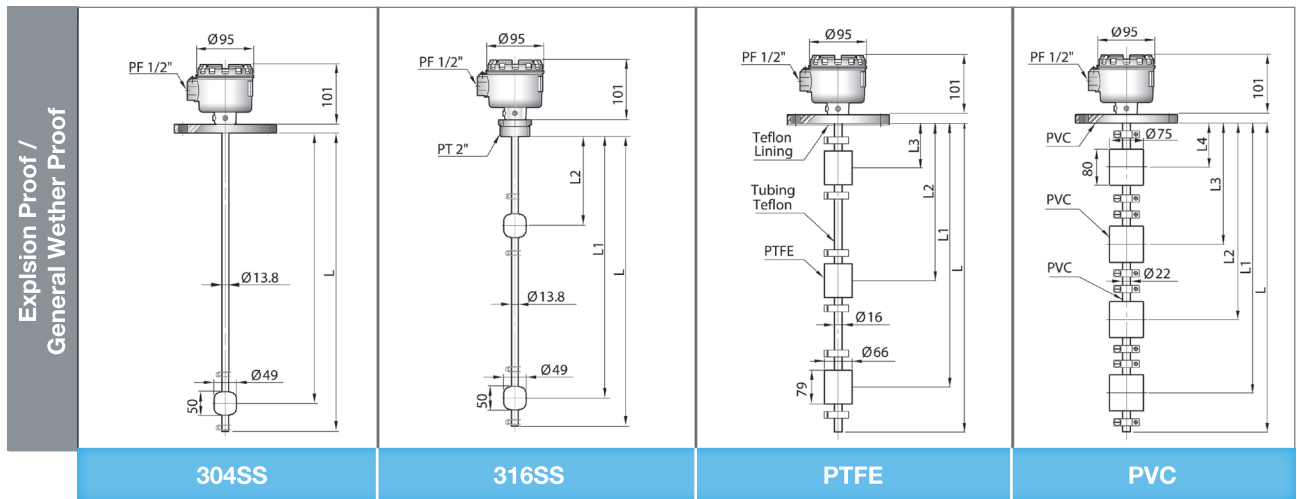
Principle

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



ST-□S
Float Type Level Switch

Explosion Proof /
General Wether Proof

Specifications

► Level Switch

Description	Type	304SS	316SS	PVC	PTFE
Contact Cap		350V DC, 0.7A / 300V AC 0.5A			
Temperature	Electronics	-10 ~ +60 °c			
	Probe	-10 ~ +100 °c		-10 ~ +60 °c	-10 ~ +100 °c
Operating Pressure		10Kgf/cm ² Max.		2Kgf/cm ²	2" Float -1Kgf/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)			

Specifications

► Level Controller

Description	Type	Multi-Wire	2-Wire
Sensor (Output Voltage)		12V DC	15V 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 Informations

■ Float Type Level Switch (304SS/315SS/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 = etc.

ENCLOSURE

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

OPERATING TEMPERATURE

- 1 = -10 ~ +60°C (Std.)
- 2 = -10 ~ +100°C (Max.)

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
- F = etc.

MEASURING LENGTH

- 1 = 0 ~ 1M
- 2 = 0 ~ 2M
- 3 = 0 ~ 3M
- 4 = 0 ~ 4M
- 5 = 0 ~ 5M (4.9M Max.)

WET PART MATERIAL

- A = 304SS (Std.)
- B = 316SS
- 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)

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 Informations

■ 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 = etc.

ENCLOSURE

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

OPERATING TEMPERATURE

- 1 = -10 ~ +60 °C(Std.)

MOUNTING SIZE

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

MEASURING LENGTH

- 1 = 0 ~ 1M
- 2 = 0 ~ 2M
- 3 = 0 ~ 3M
- 4 = 0 ~ 4M (3.9M 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 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)

NUMBER OF POINT (1M)

- 1S = 1 point
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Printed by Daoom. 2010. 04 98-CG-002. Rev:7

■ Specifications subject to change without notice