

Switch-Tek™ High-Temp Float Level Switch



Specifications

Orientation:	LV3_: ±20° vertical LH30: ±20° horizontal
Repeatability:	± 1 mm in water
Contact type:	(1) SPDT reed
Contact rating:	20 VA
Process temp:	F: -40° to 300° C: -40° to 148.9°
Pressure:	LV30: 100 psi (6.9 bar) LV31: 275 psi (18.9 bar) LV32: 750 psi (51.7 bar) LH30: 300 psi (20.7 bar)
Cable length:	2' (60 cm)
Sensor rating:	NEMA 6 (IP68)
Process mount:	LV30/31: 1/8" NPT LV32: 1/4" NPT LH30: 1/2" NPT
Sensor material:	316 ss
Classification:	General purpose

Application

Offered in both vertical and horizontal float configurations, the general purpose high-temp float level switches are an ideal choice for relatively clean water, diluted chemical or petroleum based liquids with non-coating and/or scaling characteristics. Media examples include hot deionized water and cooking oil. The dry contact closure provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm.

Features

316 SS float and stem for high temp and pressure applications
20 VA dry contact with selectable NO or NC state via float orientation
Offered in four configurations with pressures up to 750 psi



Order

Vertical

Maximum pressure (1)

- 0 100 psi (6.9 bar)
- 1 275 psi (18.9 bar)
- 2 750 psi (51.7 bar)

LV3  -S201

LH3  -S301

Horizontal

Maximum pressure (2)

- 0 300 psi (20.7 bar)

Ordering Notes

- 1) Each sensor type has a different shape and dimension. Please check the dimensional specifications prior to ordering.
- 2) The normally open or closed contact output is selectable based on the installed 12:00 or 6:00 sensor orientation.

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