

Switch-Tek™ Intrusive Capacitance Level Switch



Specifications

Orientation:	Universal
Repeatability:	± 0.5 mm in water
Supply voltage:	12-36 VDC
Contact type:	(1) SPST relay
Contact rating:	(1) 60 VA
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	150 psi (10 bar)
Cable length:	10' (3m)
Sensor rating:	NEMA 6 (IP68)
Process mount:	3/4" NPT (3/4" G)
Sensor material:	PP / PFA
Classification:	General purpose

Application

The general purpose intrusive capacitance level switch is an excellent choice for a wide range of relatively clean, aqueous based conductive liquids with non-coating and/or scaling characteristics. Media examples include hydrogen peroxide and chromic acid. The 1A relay provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm. The submersible sensor is universally mounted through the wall or inside the tank.

Features

- PP or PFA sensor and cable rated NEMA 6 or IP68
- Available in short and long sensor lengths for flexible installation
- 1A relay selectable NO or NC via power supply wiring polarity
- Compatible with Flowline alarm, controller and fitting accessories



Tech Tip

The NO or NC relay state is selected via the power supply wiring polarity. Its level wiring made simple.



LP10-□□□5

Sensor material (1)

- 1 PP
- 2 PFA

Sensor length

- 3 Short
- 4 Long

Process mount (2)

- 0 3/4" NPT (US)
- 2 3/4" G / Rp (Metric)

Ordering Notes

- 1) To special order a 25' (7.6m) or 50' (15.2 m) sensor cable, place the cable length at the end of the part number (ie: LP10-1305-25').
- 2) The short Metric sensor is offered with conical Rp threads on both sides of the wrench flat. The long Metric sensor is offered with straight G threads on the sensing side and conical Rp threads on the cable side of the wrench flat.

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