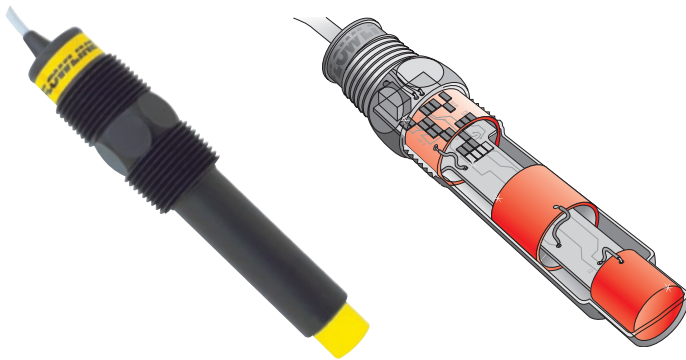


Application



The general purpose guard capacitance point level switch provides reliable high or low liquid level detection of water based conductive liquids with light coating, crystallizing or scaling characteristics with a 1A relay output. Media examples include copper sulfate and brine. The RF guard circuit eliminates the coating signal path between the active and reference electrodes. The submersible polypropylene liquid level sensor is universally mounted through non-metallic tank walls or inside the tank as a high level alarm or low level alarm.



Features

- ✓ Guard circuit optimizes performance in coating type media
- ✓ Submersible polypropylene sensor body and cable for corrosive liquids
- ✓ 60VA relay selectable NO or NC via power supply wiring polarity
- ✓ Compatible with Smart Trak and Switch-Pak installation fittings

Key Benefits

- ✓ Ideal for side wall or top mount
- ✓ Ideal for coating liquids
- ✓ Great for waste water applications

Compatible Products

Switch-Pro™ Remote Level Controller



LC4X

Application

Available in general purpose classification, the level controller is offered in three configurations for pump and valve control. The LC40 accepts one level sensor input and provides one 10A relay. The LC41 accepts two level sensor inputs and provides one latching 10A relay for automatic fill or empty control. The LC42 accepts three level sensor inputs with one latching 10A relay output for automatic fill or empty control, and a second non-latching 10A relay for high level alarm or low level alarm. For field mount installation, add a single or dual indicator NEMA box.

Switch-Pro™ Compact Level Controller



LC1X

Application

The general purpose level controller is offered in two configurations for pump and valve control. The LC10 accepts one level sensor input and provides one 16A relay for high level control or low level control. The LC11 accepts two level sensor inputs and provides one latching 16A relay for automatic fill or empty control. The optional flash alarm brings attention to level alarm conditions. Package this level controller with our liquid level switch sensors and fittings.

Specifications

Orientation: Universal

Accuracy: ± 1mm in water

Repeatability: ± 0.5mm in water

Dielectric range: > 20 constants

Conductive range: > 100 µ

Supply voltage: 12-36 VDC

Consumption: 25 mA maximum

Contact type: (1) SPST relay

Contact rating: 60 VA, 1A maximum

Contact output: Selectable NO / NC

Process temp: F: -40° to 176°
C: -40° to 80°

Pressure: 150 psi (10 bar) @ 25°
C., derated @ 1.667
psi (0.113 bar) per °C.
above 25° C.

Sensor rating: NEMA 6 (IP68)

Sensor material: Polypropylene

Cable jack. mat.: Polypropylene

Cable type: 4-conductor, shielded
#22 AWG

Cable length: 10' (3m)

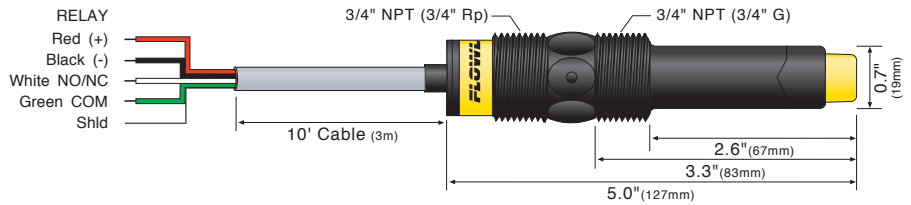
Process mount: 3/4" NPT (3/4" G)

Mount. gasket: Viton® (G version only)

Classification: General purpose

Compliance: CE

Dimensions



Fittings

For optimum performance, install the level sensor using the below recommended or direct equivalent fittings.

P/N	Description
Switch-Pak Single-Point Switch Fitting	
LM45-7001	2" NPT Plug, 3/4" NPT Adapter & Nipple, PVC
LM45-1001	2" NPT Plug, 3/4" NPT Adapter & Nipple, PP
LM45-5001	2" NPT Plug, 3/4" NPT Adapter & Nipple, PVDF
Smart Trak Multi-Point Switch Fitting	
LM10-1201	2' Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1401	4' Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1601	6' Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1801	8' Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1001	10' Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1101	1m Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1301	2m Track, 2" NPT Plug, 3/4" NPT Nipple, PP
LM10-1701	3m Track, 2" NPT Plug, 3/4" NPT Nipple, PP
Smart Trak Level Switch Car Kit	
LM30-1001	Switch Car Kit, 3/4" NPT, Polypropylene
LM30-1061	Switch Car Kit, 3/4" Rp, Polypropylene
LM52-2890	2" NPT Bulkhead Fitting, PVC
Side-Mount Bracket	
LM50-1001	2" NPT Bracket, Polypropylene

Ordering

LP15-14 5

Process mount (1) (2)
 0 NPT (US)
 2 G / Rp (Metric)

Notes

- To special order a 25' (7.6m) or 50' (15.2 m) level sensor cable, place the cable length at the end of the part number (ie: LP15-1405-25'). Add \$20 for 25' (7.6m) or \$40 for 50' (15.2m) to the price.
- The metric level sensor has straight G threads on the sensing side and conical Rp threads on the cable side of the wrench flat.