

Application



The general purpose buoyancy point level switch provides reliable liquid level detection of relatively clean water and chemical solutions with a 15VA reed switch output. Media examples include boric acid and ultrapure water. The baffle body eliminates level switch chatter caused by turbulence. The submersible polypropylene or PVDF liquid level sensor is mounted vertically inside the tank as a high level alarm or low level alarm.



Features

- ✓ Baffle body and stabilized float dampen out switch chatter
- ✓ Submersible polypropylene or PVDF sensor and cable for corrosive liquids
- ✓ 15VA dry contact selectable NO or NC state via wiring selection
- ✓ Compatible with Smart Trak and Switch-Pak installation fittings

Key Benefits

- ✓ Ideal for water and waste applications
- ✓ Float can wire directly to PLC/ SCADA or controller
- ✓ Dynamically stabilized float minimizes the effects of relay chatter
- ✓ Cage helps protect from debris

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

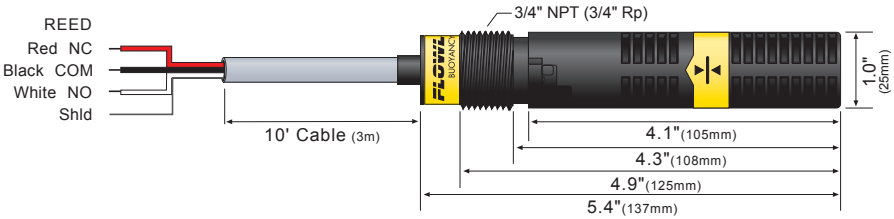
Application

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:	± 20° vertical
Accuracy:	± 2mm in water
Repeatability:	± 1mm in water
Specific gravity:	0.8 minimum
Contact type:	(1) SPDT reed
Contact rating:	15 VA, 0.25A maximum
Contact output:	Selectable NO / NC
Process temp.:	F: -40° to 194° C: -40° to 90°
Pressure:	25 psi (2 bar)
Sensor rating:	NEMA 6 (IP68)
Sensor material:	-13X1: Polypropylene -53X1: PVDF
Cable jack. mat.:	-13X1: Polypropylene -53X1: PFA
Cable type:	3-conductor, shielded
Cable length:	10' (3m)
Process mount:	3/4" NPT (3/4" Rp)
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

Sensor material (1)
1 PP
5 PVDF
Process mount
0 NPT (US)
5 Rp (Metric)

LV10-31

Notes

- 1) 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: LV10-1305-25'). For PP, add \$20 for 25' (7.6m) or \$40 for 50' (15.2m) to the price. For PFA, add \$75 for 25' (7.6m) or \$150 for 50' (15.2m) to the price.