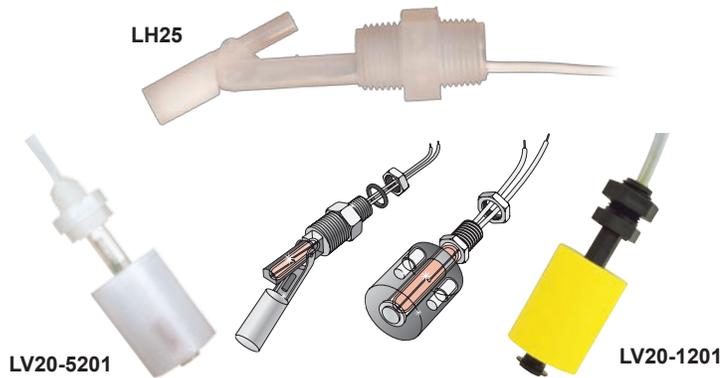


## Application



Offered in vertical and horizontal configurations, the general purpose mini-float level switches provide reliable liquid level detection of clean water and chemical solutions with a 15VA or 30VA reed switch output. Media examples include water and sulfuric acid. The polypropylene or PVDF liquid level sensors are mounted vertically inside the tank or horizontally through the tank wall as a high level alarm or low level alarm.



## Features

- ✓ Simple low-cost level switch solution for basic applications
- ✓ Offered in both vertical and horizontal mounting configurations
- ✓ Dry contact reed switch selectable NO or NC via float orientation
- ✓ Small polypropylene or PVDF sensor body with PVC, TFE or polymeric cable

## Key Benefits

- ✓ Simple level switch for clean and water like applications
- ✓ Switches can wire directly to a PLC/SCADA or controller
- ✓ Switches can be converted in the field from NO to NC

## 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.

**Switch-Tek™ LV20 & LH25 Mini-Float Level Switch**

**Specifications**

Orientation: LV20: ±20° vertical  
 LH25: ±20° horizontal

Accuracy: ± 5mm in water

Repeatability: ± 2mm in water

Specific gravity: LV20: 0.8 minimum  
 LH25: 0.6 minimum

Contact type: (1) SPST reed

Contact rating: LV20: 120 VAC/VDC @ 50 VA  
 LH25: 120 VAC/VDC @ 30 VA

Contact output: Selectable NO / NC

Process temp.: LV20 | F: -40° to 176°  
 C: -40° to 80°  
 LH25 | F: -40° to 221°  
 C: -40° to 105°

Max. pressure: LV20: 10 psi (0.7 bar)  
 LH25: 100 psi (6.9 bar)

Sensor rating: NEMA 6 (IP68)

Sensor material: LV20-12X1: Polypropylene  
 LV20-52X1: PVDF  
 LH25-1201: Polypropylene  
 LH25-5201: PVDF

Wire jack. mat.: LX2X-12X1: PVC  
 LX2X-52X1: TFE

Wire type: 2-conductor, #22 AWG

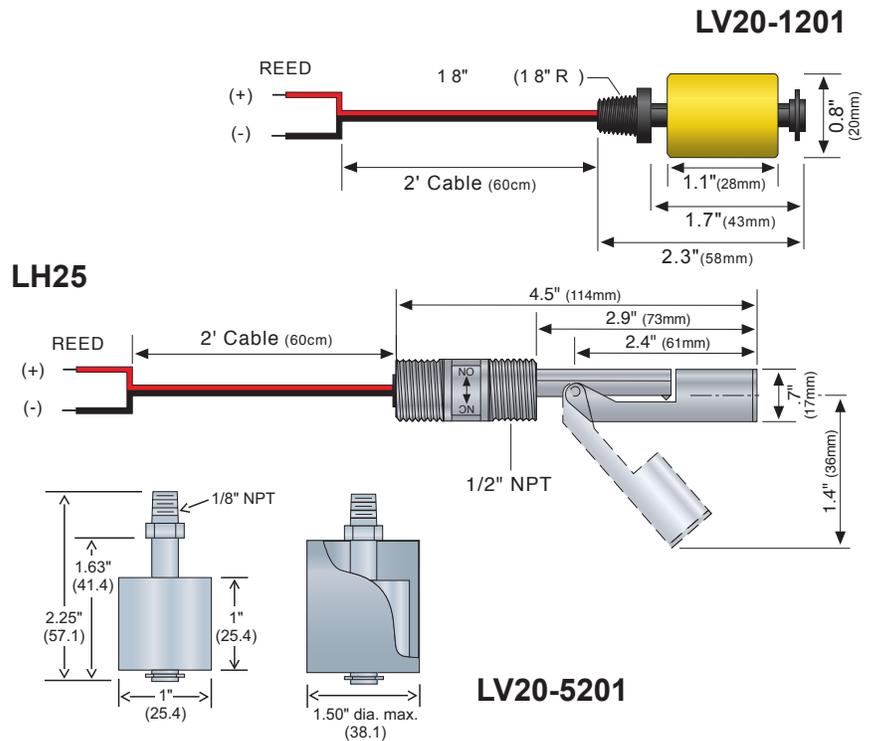
Wire length: 2' (61cm)

Process mount: LV20: 1/8" NPT  
 LH25: 1/2" NPT

Classification: General purpose

Compliance: CE

**Dimensions**



**Accessories**

Protect your level controller from the elements by using the below recommended single or two indicator NEMA box.



P/N	Description
<b>Single &amp; Two Controller NEMA Box</b>	
LM94-1001	Single Controller, Windowed, 35mm Rail, Polycarbonate
LM95-1001	Two Controller, Windowed, 35mm Rail, Polycarbonate

**Ordering**

**Vertical**

Sensor material (1)  
 1 PP  
 5 PVDF

LV20-□201

**Horizontal**

Sensor material (1)  
 1 PP  
 5 PVDF

LH25-□201

**Notes**

- To special order 25' (7.6m) or 50' (15.2 m) sensor wires, place the wire length at the end of the part number (ie: LV20-1201-25'). Add \$10 for 25' (7.6m) or \$20 for 50' (15.2m) to the price.