FLOTECT® MINI-SIZE LEVEL SWITCH
Easy In-wall or External Installation, Specific Gravities as Low as 0.5

THE MINI-SIZE SERIES L10 FLOTECT® LEVEL SWITCHES combine low cost with top quality materials and construction for great value and years of reliable liquid level control. Wide media compatibility is assured with a choice of brass or SS bodies and external tees; polypropylene or SS floats. Two basic configurations are offered; with 1” male NPT threads for direct side mounting through a half coupling or with factory installed tee for external mounting.

All Series L10 switches feature a hermetically sealed, magnetically actuated SPST reed switch which is encapsulated in a polypropylene housing. Units are quickly and easily adjusted for your choice of normally open or normally closed operation thanks to an index arrow pointing down. Just loosen two screws and instantly slide the switch assembly to the action required. NO and NC markings are clearly visible. This feature also speeds switch replacement if damage occurs.

Three types of floats are offered to accommodate liquids with specific gravities as low as 0.5; max pressures to 2000 psig (137.8 bar). These controls are UL recognized for switch replacement if damage occurs.

Wetted Materials: Float: Solid polypropylene or 304 SS; Body: Brass or 303 SS; Magnet: Ceramic; External float chamber (tee): None, brass, or 304 SS; Other: Lever arm, pin, spring, etc.: 301 SS, 302 SS, 316 SS.

Temperature Limit: 200°F (93°C).

Pressure Limit: See chart.

Switch Type: SPST hermetically sealed reed switch. Field adjustable for normally open or normally closed.

Electrical Rating: 1.5 A @ 24 VDC res., 0.001 A @ 200 VDC res., 0.5 A @ 125 VAC.

Switch Enclosure: Weatherproof, meets NEMA 4X (IP66).

CUSTOMIZE A LEVEL SYSTEM to suit your application requirements. The F7-MLK Multi-Level Switch Kit contains all the components necessary for the design and fabrication of a 1” or 2” multi-level switch for pipe plug mounting. User can customize stem length (maximum: 36”; minimum: 11”), actuation point, distance between floats, and lead wire lengths. The switch kit is ideal for general purpose, low specific gravity, gas and oil applications. Model F7-MLK includes two level stations (switch, tube, and Buna-N float), two brass extension tubes 12’ length, four brass tube unions, one end fitting, and one mounting plug.

MODEL F7-MLK

MULTI-LEVEL SWITCH KIT
One or Two Station Level Switch, Vertically Mount

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Diameter</th>
<th>Float Material</th>
<th>Max. Pressure psig (bar)</th>
<th>Min. S.G.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>L10-B-3-O</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>1000 (69)</td>
<td>0.9</td>
<td>$83.50</td>
</tr>
<tr>
<td>L10-B-3-A</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>200 (13.8)</td>
<td>0.5</td>
<td>109.00</td>
</tr>
<tr>
<td>L10-B-3-C</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>250 (17.2)</td>
<td>0.7</td>
<td>115.00</td>
</tr>
<tr>
<td>L10-B-3-B</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>250 (17.2)</td>
<td>0.7</td>
<td>147.00</td>
</tr>
<tr>
<td>L10-B-3-H</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>2000 (137.8)</td>
<td>0.9</td>
<td>126.00</td>
</tr>
<tr>
<td>L10-S-3-O</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>200 (13.8)</td>
<td>0.5</td>
<td>153.00</td>
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<tr>
<td>L10-S-3-A</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>2000 (137.8)</td>
<td>0.9</td>
<td>200.00</td>
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<tr>
<td>L10-S-3-C</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>250 (17.2)</td>
<td>0.7</td>
<td>161.00</td>
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<tr>
<td>L10-S-3-B</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>250 (17.2)</td>
<td>0.7</td>
<td>198.00</td>
</tr>
<tr>
<td>L10-S-3-I</td>
<td>1-3/4</td>
<td>1/2”</td>
<td>Polypropylene spherical</td>
<td>2000 (137.8)</td>
<td>0.9</td>
<td>232.00</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials (Float/Stem): Buna-N/AS568.

Temperature Limits: 221°F (105°C).

Pressure Limits: 150 psig (10 bar).

Switch Type: SPST, normally open or normally closed.

Electrical Rating: 60 Watts: 0.4A @ 220 VAC, 0.2A @ 110 VAC, 0.2A @ 120 VDC, 0.5A @ 24 VDC.

Electrical Connections: 18 AWG, 19˝ (483 mm) long, PVC jacket. Rated 221°F (105°C).

Process Connection: 1” male NPT standard on models without external float chamber. Change 3 in model number to 4 for 1-1/4”, to 5 for 1-1/2", or 6 for 2”. 1-1/2” female NPT on models with external float chamber.

Process Connection: 2” NPT pipe plug.

Mounting Orientation: Horizontal with index arrow pointing down.

Agency Approvals: CSA, UR.

Switch Enclosure: Flexible, rubber coated.

MINIMUM SPECIFIC GRAVITY: 0.45.

Weight: 3.5 lb (1.6 kg).