**SIDE-MOUNTED LIQUID-LEVEL SWITCHES**

**For High, Low, or Intermediate Level Sensing**

LV-90/100

- Ideal for Tanks with Inaccessible Tops or Bottoms
- Low-Cost, Large-Volume OEM Models Available
- High-Pressure Models Up to 900 psi
- All-Polysulfone Models Suitable for Food Industry
- Easy to Install and Maintain

Compact, rugged, and virtually maintenance-free, the LV-90 Series level switch can meet the needs of large-volume OEMs. The sensor is designed for side mounting into tanks that have restricted space or inaccessible tops or bottoms. The all-polysulfone construction makes these switches compatible with a wide range of chemicals and is suitable for food processing applications. Magnetic SPST switch operation is normally open (dry) when units are installed with float downward, or normally closed (dry) when installed with float upward.

The LV-100 Series liquid-level switch requires side mounting into vessels, and is highly reliable. The unit should be installed in environments that are free from excessive contamination and high shock. LV-100 models are available with either Buna or 316 SS float material, both of which have positive float and cam action. These versatile level sensors feature SPDT switches that can be wired as either normally open or normally closed; other models feature SPST switches that are dedicated as either normally open or normally closed. For high-pressure applications, the switches constructed of 316 SS will withstand up to 900 psi. Visit omega.com/level_ref for maximum voltage/current ratings.

**SPECIFICATIONS**

Other Wetted Material:
- 304 SS, 316 SS, beryllium, copper, PFA, ceramic for LV-100; 304 SS, PFA, ceramic for LV-101, LV-102, LV-103

Mounting:
- ½ NPT for LV-90; 5/8"-11 thd. and locknut for LV-91; 1 NPT for LV-100 Series

Switch:
- SPST; SPDT for models LV-100 and LV-101

**To Order**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Switch Rating</th>
<th>Stem/Float</th>
<th>Maximum Temperature</th>
<th>Maximum Pressure</th>
<th>Liquid Spec. Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LV-91A</td>
<td>20 VA</td>
<td>Polypropylene</td>
<td>225°F</td>
<td>100 psi</td>
<td>0.8 min</td>
</tr>
<tr>
<td>LV-100</td>
<td>20 VA</td>
<td>Brass/Buna</td>
<td>180°F</td>
<td>150 psi</td>
<td>0.8 min</td>
</tr>
<tr>
<td>LV-101</td>
<td>20 VA</td>
<td>316 SS</td>
<td>300°F</td>
<td>900 psi</td>
<td>0.9 min</td>
</tr>
<tr>
<td>LV-102</td>
<td>100 VA (NO)</td>
<td>316 SS</td>
<td>300°F</td>
<td>900 psi</td>
<td>0.9 min</td>
</tr>
<tr>
<td>LV-103</td>
<td>100 VA (NC)</td>
<td>316 SS</td>
<td>300°F</td>
<td>900 psi</td>
<td>0.9 min</td>
</tr>
</tbody>
</table>

**Weight:**
- LV-90 Series: 42.5 g (1.5 oz)
- LV-100 Series: 374 g (13.2 oz)

**Lead Wires:**
- LV-90 Series: 22 AWG, 24" polymeric
- LV-100 Series: 18 AWG, 24" polymeric

**Liquid Specific Gravity:**
- 0.8 minimum for LV-90 Series; 0.8 minimum for LV-100; 0.9 minimum for LV-101, LV-102, LV-103

Comes complete with operator’s manual. NO = normally open; NC = normally closed.

Ordering Examples: LV-100, side-mounted liquid-level switch with a brass stem and Buna float.

LV-91A, side mounted liquid level switch with Polypropylene stem and float.