# Small Size - Alloys

## LS-7 Series

**Compact Alloy and Alloy/Plastics Side Mounts**

Built for durability, our LS-7 Series switches utilize stainless steel, or zinc bodies. Ideal for any small tank or vessel destined for a rugged environment. All-stainless steel material of construction of Types 9 and 11 is generally recognized as safe with FDA for food contact regulations.

### Type 6

**External Mounting**

Zinc alloy body with polypropylene or nylon float. SAE Mounting.

### Common Specifications

- **Switch Rating**: SPST, 20VA
- **Lead Wire**: 22 AWG, 24"-27" Extended
- **Mounting Altitude**: Horizontal
- **RoHS**: In compliance with EU-directive 2011/65/EC requirements for chemicals and substances.

*See “Electrical Data” on Page X-5 for more information.*

### Type 8

**External Mounting**

Zinc alloy body with nylon or polypropylene float.

### Type 9

**External Mounting**

316 Stainless Steel body with 316 SS, nylon or polypropylene float.

### Type 11

**Internal Mounting**

316 Stainless Steel body with 316 S.S. float.

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**LS-7 Series / p3104 / 19-APR-16**
Switch Operation
Depending on the mounting position, the float on these switches can either rise or lower with the liquid level. By rotating the switch 180°, the switch operation can be Normally Open or Normally Closed.

How To Order – Select Part Number based on specifications required.

<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Stem and Mounting</th>
<th>Float</th>
<th>Lead Wire Jacket</th>
<th>Min. Liquid Sp. Gr.</th>
<th>Operating Temperature</th>
<th>Operating Pressure, Max.</th>
<th>Float Arc Envelope</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>Zinc Alloy</td>
<td>Nylon</td>
<td>TPE²</td>
<td>.65</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
<td>100 psi @ 70°F</td>
<td>1.36</td>
<td>155660</td>
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<td></td>
<td></td>
<td>Polypropylene</td>
<td>TPE²</td>
<td>.75</td>
<td>-40°F to +225°F (-40°C to +107°C)</td>
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<td>Zinc Alloy</td>
<td>316 S.S.</td>
<td>TPE²</td>
<td>.80</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
<td>300 psi @ 70°F</td>
<td>1.43</td>
<td>249315</td>
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<tr>
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<td></td>
<td>Nylon</td>
<td></td>
<td>.65</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
<td>100 psi @ 70°F</td>
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<td>Polypropylene</td>
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<td>.55</td>
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<tr>
<td>9</td>
<td>316 Stainless Steel</td>
<td>316 S.S.</td>
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<td>Nylon</td>
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<td>11</td>
<td>316 Stainless Steel</td>
<td>Teflon⁰</td>
<td>TPE²</td>
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<td>-40°F to +250°F (-40°C to +121°C)</td>
<td>100 psi @ 70°F</td>
<td>1.65</td>
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</tbody>
</table>

¹Thermoplastic Elastomer Zip Cord.
🔹 – Stock items.

*Zinc Alloy Material Note:
When mounted in certain cathodic metals, including stainless steel, and used in water-based liquids, galvanic corrosion may occur. Consult factory for information.