

# Large Size – Alloys

## LS-1800 and LS-1900 Series are a Step Above Our Plastic Units for Pressure Capabilities

Excellent stability for general use in oils and water.

LS-1800 Series –  
Buna N Float



LS-1800 Series –  
Teflon® Float



LS-1900 Series –  
Buna N Float



Intermediate in size, LS-1800 switches provide long life and dependability to meet a broad range of requirements.

With large float displacement, switch withstands rough service; is suitable for high viscosity liquids.

### Dimensions

LS-1800 Series		LS-1900 Series
Buna N Float	Teflon® Float	Buna N Float
<p>17/32" (13.5 mm) 1/8" NPT 1/2" HEX (12.7 mm) 2-15/16" (74.6 mm) 7/8" (22.2 mm)† 2-13/32" (61.1 mm) 1-3/4" (44.5 mm) 1-1/4" DIA. (31.7 mm)</p>	<p>17/32" (13.5 mm) 1/8" NPT 1/2" HEX (12.7 mm) 2-15/16" (74.6 mm) 7/8" (22.2 mm)† 2-13/32" (61.1 mm) 1-3/4" (44.5 mm) 1-1/4" DIA. (31.7 mm) SPRING FLAT WASHER</p>	<p>21/32" (16.7 mm) 1/4" NPT 5/8" HEX (15.9 mm) 3-3/16" (80.9 mm) 1-3/16" (30.2 mm)† 2-17/32" (64.3 mm) 1-13/16" (46.1 mm) 1-7/8" DIA. (47.6 mm)</p>

†L<sub>s</sub> = Switch actuation level, nominal (based on a liquid specific gravity of 1.0).

### Common Specifications

**Electrical Termination:** No.18 AWG, 24" L., Polymeric Lead Wires.

**Approvals:** All Switches on this page are U.L. Recognized – File No. E45168, and are CSA Listed – File No. 30200.

RoHS – In compliance with EU-directive 2011/65/EC requirements for chemicals and substances.

**Switch Operation:** Selectable, N.O. or N.C., by inverting float on unit stem (except for LS-1800 Series switch with Teflon® float). Units are shipped N.O. unless otherwise specified.

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

Series Number	Material			Min. Liquid Sp. Gr.	Operating Temperature	Pressure, PSI, Max.	Switch* SPST	Part Number	
	Stem and Mounting	Float	Other Wetted						
LS-1800	Brass	Buna N	316 Stainless Steel, Hysol	.75	Water: to 180°F (82°C) Oil: -40°F to +230°F (-40°C to +110°C)	150	20 VA	01801 ⚡	
		100 VA**		35651 ⚡					
	316 Stainless Steel	Buna N		.75	-40°F to +250°F (-40°C to +121°C)	300	20 VA	01807 ⚡	
		Teflon®		.65			100 VA**	35657 ⚡	
LS-1900	Brass	Buna N	316 Stainless Steel, Hysol	.55	Water: to 180°F (82°C) Oil: -40°F to +230°F (-40°C to +110°C)	150	20 VA	01901 ⚡	
				100 VA***			35676 ⚡		
	316 Stainless Steel				.55			20 VA	01907 ⚡
									100 VA

\*See "Electrical Data" on Page X-5 for more information.

\*\*\* LS-1900 100VA unit is UL Resistive Rated.

\*\*LS-1800 100 VA switches are not U.L. Recognized.