

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) 1/2" HEX (12.7 mm) 1/8" NPT 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) 1/2" HEX (12.7 mm) 1/8" NPT 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 (31.75 mm) FLAT WASHER SPRING</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>

†L₁ = 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.

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 (82.2° 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			20 VA	01807 ⚡
		Teflon®		.65			100 VA**	35657 ⚡
LS-1900	Brass	Buna N	316 Stainless Steel, Hysol	.55	Water: to 180° F (82.2° C) Oil: -40° F to +230° F (-40° C to +110° C)	150	20 VA, N.O.	01811 ⚡
				20 VA			01901 ⚡	
	316 Stainless Steel			100 VA**			35676 ⚡	
				20 VA			01907 ⚡	
100 VA**	35682 ⚡							

* See "Electrical Data" on Page A-4 for more information.

**100 VA switches are not U.L. Recognized.

Large Size – Alloys

All Stainless Steel Switches Deliver Highest Pressure/Temperature Performance

For high performance applications, these models provide high temperature and pressure capabilities. Materials of construction comply with FDA food contact regulations.

LS-1850 Series –
Ultra-Light



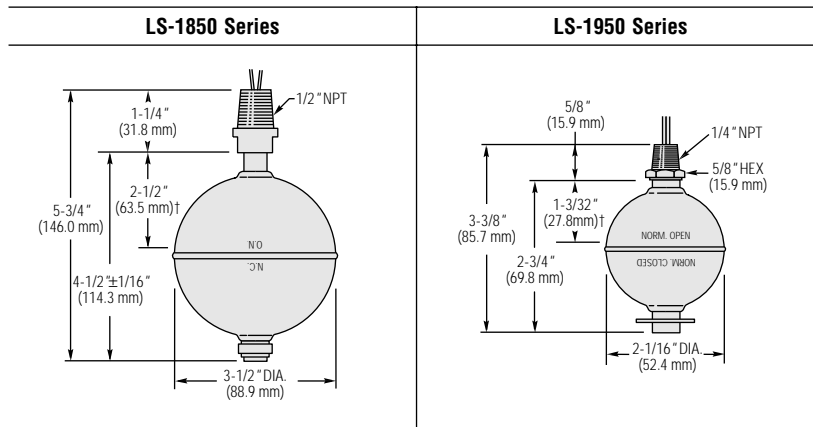
For use in liquids with specific gravities as low as 0.40 to 0.70. Excellent in a wide range of chemical applications. Also available with brass stems.

LS-1950 Series



Exceptionally accurate and rugged for higher temperatures and in pressurized or corrosive liquids. For oils, water and chemicals.

Dimensions



†L_s = Switch actuation level, nominal (based on a liquid specific gravity of 1.0 and N.O. dry circuit – dimension will vary for N.C. circuit).

Common Specifications

Electrical Termination: No. 18 AWG, 24" L., Polymeric Lead Wires (except Part No. 79999 which has Teflon® lead wires).

Approvals: LS-1950 Series switches are U.L. Recognized – File No. E45168 and are CSA Listed - File No. 30200 (Part No. 79999 is U.L. Recognized only).

Switch Operation: Selectable, N.O. or N.C., by inverting float on unit stem. Units are shipped N.O. unless otherwise specified.

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

Series Number	Materials		Min. Liquid Sp. Gr.	Operating Temperature	Pressure PSI, Max.	Switch*	Part Number
	Stem and Mounting	Float					
LS-1850	316 Stainless Steel		.40	-40° F to +300° F (-40° C to +148.9° C)	300	SPST, 20 VA	113820 ⚡
						SPST, 100 VA**	113822
						SPDT, 20 VA	113821 ††
LS-1950	316 Stainless Steel		.80	-40° F to +300° F (-40° C to +148.9° C)	750	SPST, 20 VA	01950 ⚡
						SPST, 100 VA**	26717 ⚡
						SPST, 20 VA	79999 ⚡

* See "Electrical Data" on Page D-4 for more information.

** 100 VA switches are not U.L. Recognized or CSA Listed.

†† Float inversion is not required to select switch operation (N.O./N.C.) on SPDT units.

⚡ – Stock Items.