

Large Size – Alloys

When a Switch Won't Fit In the Tank, Use a Non-Intrusive Bottle Type

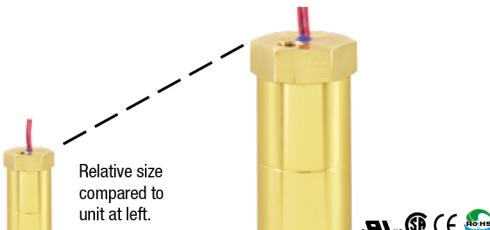
Bottle type level switches are ideal for large or small tanks or where access to the inside is impractical or impossible. These units mount completely outside of the tank, at the level actuation point.

LS-800-5 Series – Single Level,
Brass or Stainless Steel Housing



3/4" NPT Ports

LS-159000 Series – Low Cost,
Compact Aluminum Housing



Inline NPT Ports

For Remote Alarms –
See Page E-27

- Adjustable Volume
- Indoor Outdoor
- Solid-State



Dimensions

LS-800-5 – Brass and Stainless Steel	LS-159000
<p>VITON® O-RING 2-1/4"-12 UNF-2A THR'D 1/4"-20THD (2PLCS) 1-1/2" HEX(38 mm) 1/8"-27 NPT OUTLET PORT O-RING 1-5/16"-12UNF THREAD, REF. 1/4"-18 NPT INLET PORT 3-1/4" (83 mm) 2-3/4" REF. (70 mm) 2-1/4" REF. (57 mm) 1-7/8" REF. (48 mm) 1-5/16" (33 mm) ±1/8" ACTUATION LEVEL 3/16"(5 mm) 1/2" FNPT 2-5/8" (66.7mm) DIA. REF. L₁ SWITCH ACTUATION LEVEL[†] (SEE ORDER TABLE FOR VALUE) 4-1/4" (107.9 mm) 3/4" NPT PORTS (2X) 7" 2-1/2" (63.5 mm) 3/4" NPT Ports</p> <p>[†]L₁ = Switch actuation level, nominal (based on a liquid specific gravity of 1.0).</p>	<p>Switch operation is NC as shown. May be changed to NO by inverting float on stem, or by mounting unit with lead wires down.</p>

Common Specifications

Electrical Termination: No. 18 AWG, 24" L., Polymeric Lead Wires (LS-800-5) / No. 22 AWG, 24" L., Polymeric Lead Wire (LS-159000).

Approvals: Series Nos. LS-800-5 and LS-159000 are U.L. Recognized – File No. E45168 and CSA listed – File No. LR-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.

Mounting Attitude: Vertical with lead wires up.

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

Materials				Min. Liquid Sp. Gr.	Pressure, PSIG, Max.	Operating Temperature	L ₁	Switch*	Part Number
Series Number	Housing	Stem and Mounting	Float	Other Wetted					
LS-800-5	Brass		316 Stainless Steel	Beryllium Copper	.75	500 @ 70°F (-40°C to +148.9°C)	3/4" (19 mm)	SPST, 20 VA	172625
	316 Stainless Steel			S.S. ARMCO H-15-7 MO				SPST, 100 VA	172986
	Aluminum	Brass	316 S.S.	Beryllium Copper	.90	600 @ 70°F (-40°C to +148.9°C)	7/16" (11 mm)	DPDT	172988
			Buna N	Viton®	.50	250 @ 70°F (-40°F to +250°F [oil]; +180°F [water] (-40°C to +121°C [oil]; +82°C [water])		SPST, 20 VA	172635
LS-159000						-40°F to +300°F (-40°C to +148.9°C)	See Dimensions	SPST, 20 VA	144080
									160405

*See "Electrical Data" on Page X-5 for more information. DPDT relay information is with Dimensions above.