



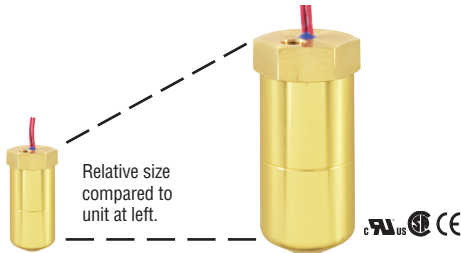
Large Size – Alloys

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

LS-159000 Series – Low Cost,
Compact Aluminum Housing



3/4" NPT Ports

Inline NPT Ports

For Remote Alarms –
See Page E-29

- Adjustable Volume
- Indoor Outdoor
- Solid-State



Dimensions

LS-800-5 – Brass and Stainless Steel	LS-159000
<p>Dimensions for LS-800-5: Total height: 7" Stem height: 2-1/2" (63.5 mm) Actuation level: L₁ SWITCH ACTUATION LEVEL† (SEE ORDER TABLE FOR VALUE) Inlet port: 1/2" FNPT Outlet port: 2-5/8" (66.7 mm) DIA. REF. Thread: 2-1/4"-12 UNF-2A THR'D O-ring: VITON® O-RING Mounting: 1/4"-20THD (2PLCS) Ports: 3/4" NPT PORTS (2X) Float assembly: 4-1/4" (107.9 mm)</p>	<p>Dimensions for LS-159000: Total height: 3-1/4" (83 mm) Stem height: 2-1/4" REF. (57 mm) Actuation level: 1-5/16" (33 mm) ± 1/8" Inlet port: 1/4"-18 NPT INLET PORT Outlet port: 1/8"-27 NPT OUTLET PORT O-ring: O-RING Thread: 1-5/16"-12UNF THREAD, REF. Mounting: 1-7/8" REF. (48 mm) Float assembly: FLOAT ASSEMBLY (SPHERICAL SHOWN) Base: 1-1/2" HEX (38 mm) Stem: 2-3/4" REF. (70 mm) Base: 3/16" (5 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 (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.

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.

Series Number	Materials				Min. Liquid Sp. Gr.	Pressure, PSIG, Max.	Operating Temperature	L ₁	Switch*	Part Number
	Housing	Stem and Mounting	Float	Other Wetted						
LS-800-5	Brass		316 Stainless Steel	Beryllium Copper	.75	500 @ 70°F	-40°F to +300°F (-40°C to +148.9°C)	3/4" (19 mm)	SPST, 20 VA	172625
				SPST, 100 VA					172986	
	316 Stainless Steel		S.S. ARMCO H-15-7 MO	750	7/16" (11 mm)	SPST, 20 VA		172635		
				DPDT		172988				
LS-159000	Aluminum	Brass	316 S.S.	Beryllium Copper	.90	600 @ 70°F	-40°F to +300°F (-40°C to +148.9°C)	See Dimensions	SPST, 20 VA	144080
			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

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

LEVEL SWITCHES – SINGLE POINT