

# Large Size – Alloys

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

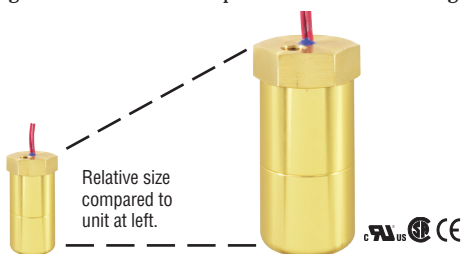
Bottle type level switches are ideal for large or small tanks or where access to the inside is impractical or impossible. These units mount completely outside of the tank, at the level actuation point.

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 |
|--------------------------------------|-----------|
|                                      |           |

†L<sub>1</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 (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.

|               | Materials           |                   |                      |                  |                     |                      |  |                |              |   |        |
|---------------|---------------------|-------------------|----------------------|------------------|---------------------|----------------------|--|----------------|--------------|---|--------|
| Series Number | Housing             | Stem and Mounting | Float                | Other Wetted     | Min. Liquid Sp. Gr. | Pressure, PSIG, Max. | Operating Temperature                  | L <sub>1</sub> | Switch*      | Part Number   |        |
| LS-800-5      | Brass               |                   | 316 Stainless Steel  | Beryllium Copper | .75                 | 500 @ 70°F           | -40°F to +300°F<br>(-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)       | DPDT                 |  | 172988         |              |   |        |
|               |                     |                   |                      |                  |                     |                      |  | SPST, 20 VA    | 172635       |   |        |
| LS-159000     | Aluminum            | Brass             | 316 S.S.             | Beryllium Copper | .90                 | 600 @ 70°F           | -40°F to +300°F<br>(-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)<br>(-40°C to +121°C [oil]; +82°C [water]) | 160405 |
|               |                     |                   |                      |                  |                     |                      |  |                |              |   |        |
|               |                     |                   |                      |                  |                     |                      |  |                |              |   |        |

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