

## Small Size – Alloys

Rugged Durability, With Broad Heat and Pressure Capabilities, are Hallmarks of These Compact Switches

Ideal for shallow tanks or restricted spaces, or for low-cost, high volume use.

LS-1700 Series – Buna N Float



LS-1700 Series – Teflon® Float



LS-1750 Series – All Stainless Steel



LS-1755 Series – All Stainless Steel



Offer broad chemical compatibility for general purpose use. Also ideal for oils and water.

Rugged construction suitable for most corrosive liquids, and for high temperatures and pressures.

### Dimensions

| LS-1700 Series   |  | LS-1750 Series  |  | LS-1755 Series                 |  |
|--|--|---|--|--------------------------------|--|
| Buna N Float   | Teflon Float   | Stainless Steel Float and Stem  |  | Stainless Steel Float and Stem |  |
| <p>Dimensions: 1/8" NPT, 1/2" HEX (12.7 mm), 2-1/16" (52.4 mm), L<sub>1</sub>†, 1-1/2" (38.1 mm), 1" (25.4 mm), 1" DIA. (25.4 mm)</p> <p>L<sub>1</sub> = 9/16" (14.2 mm) N.O.; 13/16" (20.6 mm) N.C.</p> | <p>Dimensions: 1/8" NPT, 1/2" HEX (12.7 mm), 2-1/16" (52.4 mm), L<sub>1</sub>†, SPRING, 1-1/2" (38.1 mm), 3/4" (19.1 mm), 1" DIA. (25.4 mm), FLAT WASHER</p> <p>L<sub>1</sub> = 1/2" (12.7 mm) N.O. and N.C.</p> | <p>Dimensions: 1/8" NPT, 1/2" HEX (12.7 mm), 2-1/16" (52.4 mm), L<sub>1</sub>†, 1-1/2" (38.1 mm), 1" (25.4 mm), 1-1/2" DIA. (38.1 mm)</p> <p>L<sub>1</sub> = 5/8" (15.7 mm) N.O.; 3/4" (19.1 mm) N.C.</p> | <p>Dimensions: 1/8" NPT, 1/2" HEX (12.7 mm), 2-21/64" (59.1 mm), L<sub>1</sub>†, 1-45/64" (42.8 mm), 1-7/32" (31.0 mm), 1-1/32" DIA. (26.2 mm)</p> <p>L<sub>1</sub> = 37/64" (14.5 mm) N.O.; 53/64" (20.8 mm) N.C.</p> |                                |  |

†L<sub>1</sub> = Switch actuation level, nominal (based on a liquid specific gravity of 1.0).

### Common Specifications

**Electrical Termination:** No. 22 AWG, 24" L., Polymeric Lead Wires, (except Part No. 79990 which has Teflon Lead Wires).

**Approvals:** Series Nos. LS-1700, LS-1750 and LS-1755 are U.L. Recognized – File No. E45168 and CSA Listed – File No. 30200.

**Switch Operation:** Units are shipped N.O. unless otherwise specified. Selectable, N.O. or N.C., by inverting float on unit stem (except for LS-1700 Series switches with Teflon® Floats; see selection in "How to Order" table).

### 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-1700       | Brass             | Buna N   | 316 S.S., Epoxy | .45                 | Water: to 180°F (82.2°C)<br>Oil: -40°F to +230°F (-40°C to +110°C)         | 150                    | 20 VA        | 01701 ⚡            |
|               | 316 S.S.          |          |                 |                     |  |                        | 20 VA        | 01702 ⚡            |
|               | Brass             | Teflon   |                 |                     |  |                        | 20 VA, N.O.  | 26790              |
|               | 316 S.S.          |          |                 |                     |  |                        | 20 VA, N.C.  | 27978              |
|               |                   |          |                 |                     |  |                        | 20 VA, N.O.  | 26791 ⚡            |
| 20 VA, N.C.   | 27980 ⚡           |          |                 |                     |  |                        |              |                    |
| LS-1750       | 316 S.S.          | 316 S.S. | 316 S.S.        | .70                 | -40°F to +300°F (-40°C to +148.9°C)<br>-40°F to +480°F (-40°C to +248.9°C) | 100                    | 20 VA        | 01750 ⚡<br>79990 ⚡ |
| LS-1755       | 316 S.S.          | 316 S.S. | 316 S.S.        | .90                 | -40°F to +300°F (-40°C to +148.9°C)  | 275                    | 20 VA        | 01755 ⚡            |

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

\*\*Higher pressures are temperature dependent.