

LOW-COST LIQUID-LEVEL SWITCHES

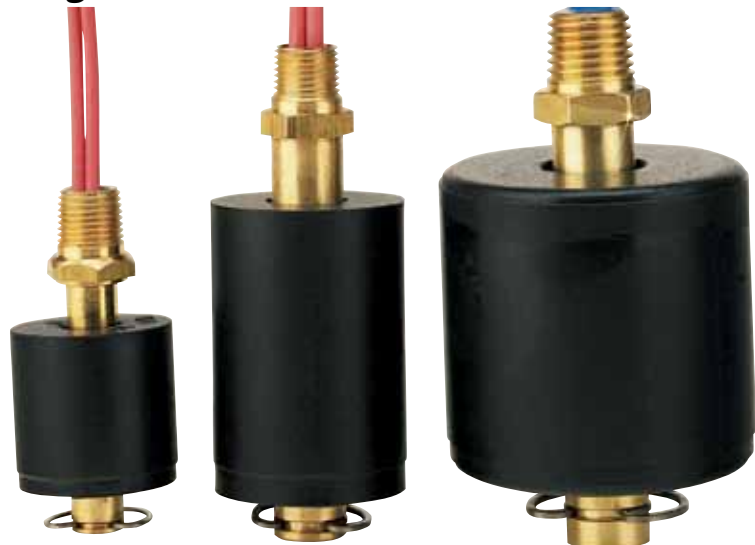
Single Station, Vertical Mounting

LV Series



- ✓ Low Cost and Compact for General Purpose Level Monitoring
- ✓ Shock and Vibration Resistant
- ✓ Mounts Vertically at Top or Bottom of Tank
- ✓ Reed Switch Design for High Repeatability
- ✓ User Selectable, Normally Open or Normally Closed SPST Switch

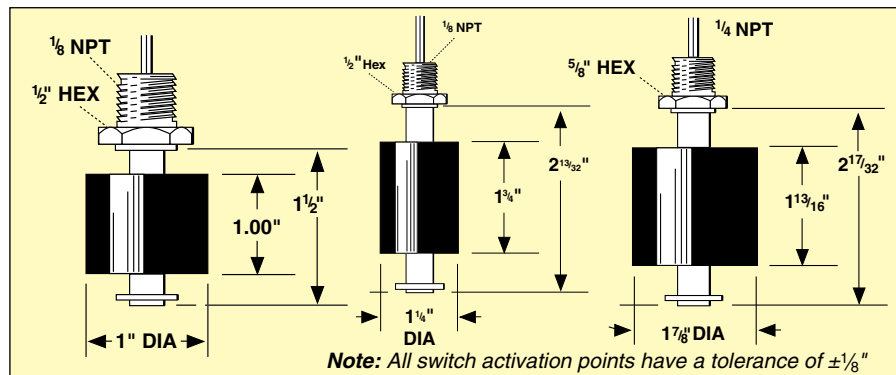
Note: To determine fluid specific gravity, add 0.1 to float specific gravity in clean liquids and 0.3 to float specific gravity in dirty or viscous liquids.



LV-10 shown larger than actual size.

LV-20 shown larger than actual size.

LV-30 shown larger than actual size.



SPECIFICATIONS

Stem Material: Brass or 316 SS

Float Material: Buna

Other Wetted Materials: 316 SS, Hysol epoxy

Operating Temperature:

Water: -40 to 82°C (-40 to 180°F)

Oil: -40 to 149°C (-40 to 300°F)

Mounting: 1/8 NPT for LV-10 and LV-20, 1/4 NPT for LV-30

Switch: SPST

Switch Actuation: Approx. 1/2 the distance from end of stem to mounting, or at halfway point of float travel

Lead Wires: 22 AWG 24" polymeric for LV-10; 18 AWG 24" polymeric for LV-30 and LV-20

Specific Gravity of Float: LV-10: 0.50; LV-20: 0.58; LV-30: 0.43

The LV-10 Series level switches feature a small float displacement, especially suited for narrow or restricted areas. A standard 1/8 MNPT fitting allows for quick installation in either the top or bottom of the tank or vessel. A sealed SPST switch provides consistently high accuracy and repeatability while minimizing the effects of shock, vacuum, or vibration. Extremely versatile, the switch is user selectable as normally open or normally closed by simply removing the retaining clip and inverting the position of the float.

For intermediate float displacement, the LV-20 Series will yield long life and greater stability for a broad range of level monitoring requirements. The LV-30 Series larger float displacement is intended for use with liquids of high viscosity, and is well suited for harsh environments. Both models share the standard features of the LV-10.

Visit us online for maximum voltage/current ratings.

To Order

Model No.	Stem Material	Switch Rating	Pressure Rating
LV-10	Brass	20 VA	300
LV-11	316 SS	20 VA	300
LV-20	Brass	20 VA	150
LV-21	Brass	100 VA	150
LV-22	316 SS	20 VA	150
LV-23	316 SS	100 VA	150
LV-30	Brass	20 VA	150
LV-31	Brass	100 VA	150
LV-32	316 SS	20 VA	150
LV-33	316 SS	100 VA	150

Comes complete with operator's manual.

Ordering Examples: LV-20, vertical-mounted liquid-level switch with a brass stem and switch rated to 20 VA.

LV-31, 100 VA rated switch with a brass stem.