

# HIGH-TEMPERATURE LIQUID-LEVEL SWITCHES

## All Stainless Steel Construction

### LV-40/50 Series



- ✓ Well Suited for Rough or Corrosive Liquids
- ✓ Water-Purifying and Medical Application Models
- ✓ High-Pressure Models up to 750 psi
- ✓ Normally Open or Normally Closed SPST Switch, User Selectable
- ✓ Mounts Vertically at Top or Bottom of Tank

Constructed entirely of 316 SS, the LV-40 single-station level switch is designed to withstand the effects of a wide range of chemicals. With a maximum operating temperature of 149°C (300°F), this switch is ideal for medical and water purification. Its small float displacement allows for high accuracy and reliability in shallow tanks and reservoirs.

The LV-50 Series level switches deliver superlative performance and dependability under the most severe operating conditions. The sensor incorporates a larger float displacement and all stainless steel construction for consistent level monitoring in liquids pressurized up to 750 psi. Ideal for level sensing in chemical plants and systems, models are available for temperatures up to 249°C (480°F).

#### SPECIFICATIONS

**Stem Material:** 316 SS

**Float Material:** 316 SS

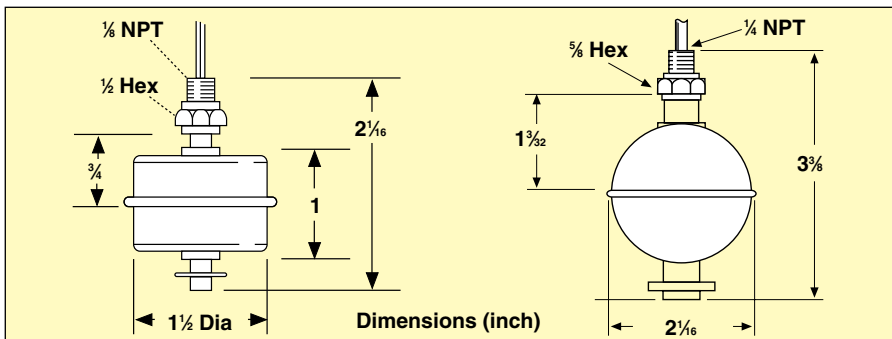
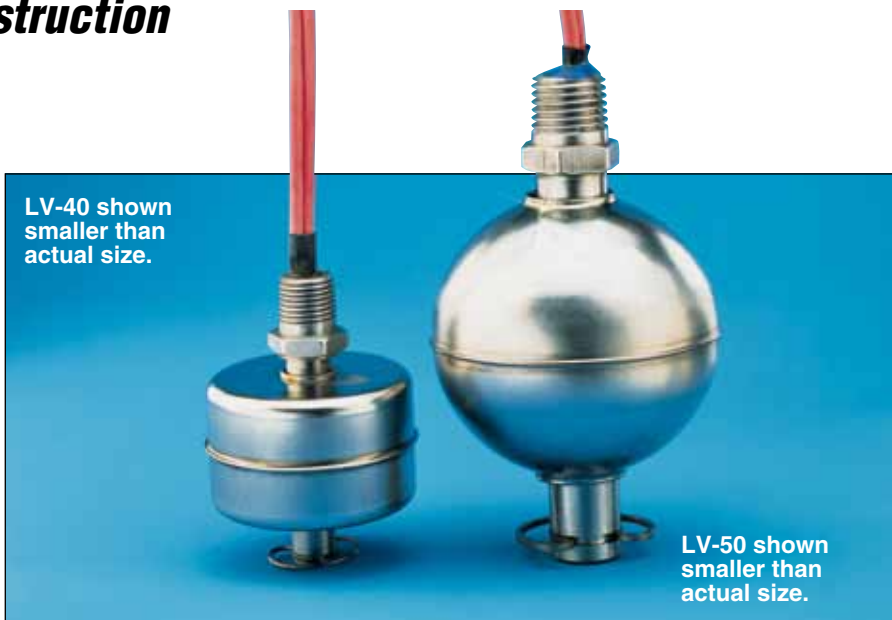
**Operating Temperature:**

-40 to 149°C (-40 to 300°F);

-40 to 249°C (-40 to 480°F) for LV-52

**Pressure Rating:** 100 psi for LV-40;

750 psi for LV-50 Series



**Mounting:** 1/8 NPT for LV-40; 1/4 NPT for LV-50 Series

**Switch:** SPST

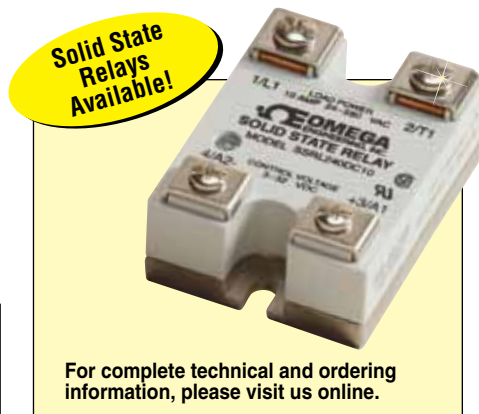
**Switch Actuation:** Approx. 1/2 the distance from end of stem to mounting, or at halfway point of float travel

**Lead Wires:** 22 AWG, 24" polymeric; 18 AWG, 24" polymeric for LV-50 Series

**Specific Gravity of Float:**

LV-40: 0.62; LV-50: 0.64

**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.



#### To Order

Model No.	Temperature Rating	Switch Rating
LV-40	-40 to 149°C (-40 to 300°F)	10 VA
LV-50	-40 to 149°C (-40 to 300°F)	20 VA
LV-51	-40 to 149°C (-40 to 300°F)	100 VA
LV-52	-40 to 249°C (-40 to 480°F)	20 VA

Comes complete with operator's manual.

**Ordering Example:** LV-51, all stainless steel high-temperature liquid-level switch with a 100 VA rating.

LV-40, all stainless steel high temperature liquid-level switch with a 10 VA rating.