

# SINGLE-STATION LIQUID-LEVEL SWITCHES

## Broad Chemical Compatibility

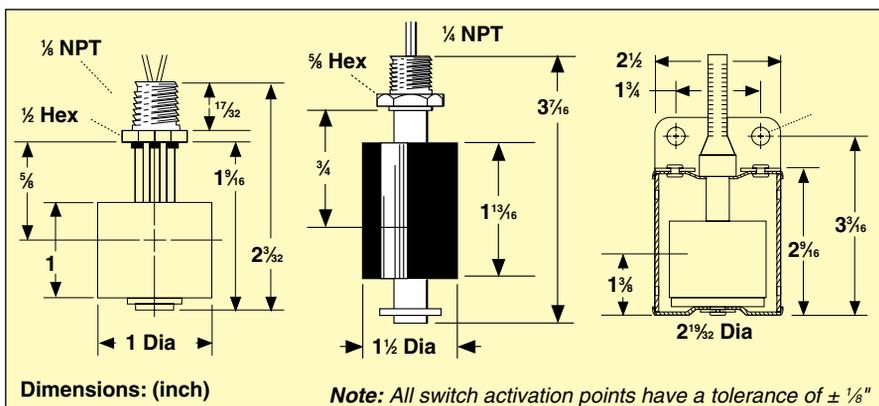
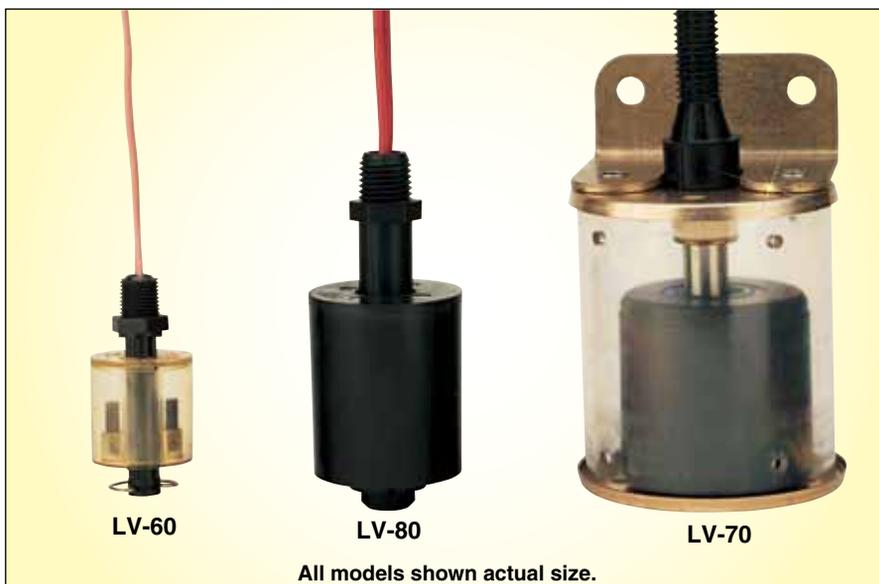
### LV-60/70/80

- ✓ Low-Cost, Large-Volume OEM Models
- ✓ Easy to Install, Vertical Mounting
- ✓ Reliable SPST Reed Switch Design
- ✓ Models Available for Contaminated and Turbulent Tank Conditions
- ✓ Shock and Vibration Resistant
- ✓ Direct Actuation of Float at Liquid Level

Offering high reliability at a low cost, the LV-60 Series level switch is recommended for many OEM applications. The all-polysulfone construction provides excellent chemical resistance and is rated to a maximum temperature of 107°C (225°F). Extremely compact, the switch is ideal for applications involving restricted or limited space. The reed switch design allows the user to select either normally open or normally closed by simply removing the retaining clip and inverting the position of the float.

When turbulent tank conditions prevail, the LV-70 Series level switch will provide highly stable and accurate level detection. A protective slosh shield allows contact with non-static, highly contaminated liquids and minimizes the effects of turbulence and motion. Mounting brackets attach to a wall, bracing, sounding tube, or any similar surface.

The LV80's all-CPVC construction is resistant to many acids, bases, and aqueous solutions, making these switches well suited for chemical and plating applications. The sensor mounts vertically at either the top or bottom of the tank and is easy to install. Visit [us online](#) for maximum voltage/current ratings.



### SPECIFICATIONS

**Other Wetted Material:** PVDF  
 LV-60 (retaining clip); copper-nickel, beryllium-copper Lucite® shield, neoprene cable for LV-70

**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" PVC for LV-60; 18/2 cable 6' Neoprene L® with waterproof connector for LV-70; 18 AWG 24" PVC for LV-80

**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.	Switch Rating*	Stem/Float	Maximum		Float Spec. Gravity
			Temp.	Pres.	
LV-60	10 VA	Polysulfone	225°F	50 psi	0.64
LV-61	50 VA	Polysulfone	225°F	50 psi	0.5
LV-70	50 VA-(NO)	316SS/BUNA	140°F	150 psi	0.43
LV-71	50 VA-(NC)	316SS/BUNA	140°F	150 psi	0.43
LV-80	20 VA	CPVC	185°F	15 psi	0.68

Comes complete with operator's manual.

NO = normally open; NC = normally closed.

\*All units field switchable for normally open, normally closed.

**Ordering Examples:** LV-80, all-CPVC, corrosion-resistant, liquid-level switch rated to 85°C (185°F) and 15 psi.

LV-70, 316 SS stem Buna float liquid level switch rated to 60°C (140°F) and 150 psi.

