

# SELF-CHECKING HIGH LEVEL INDICATOR

LV150 Series

**\$200**  
Basic Unit



- ✓ Manually "Press to Check"
- ✓ Adjustable Versions for Various Tank Sizes
- ✓ Standard 2" NPT Mounting

The LV150 Series high level indicators provide a unique solution for tank overflow indication requiring self-checking. This indicator is designed with a 2" NPT mounting, making it ideal for use in underground and aboveground storage tanks. When mounted vertically at the tank top, it reliably indicates high liquid level.

To operate, simply press the brass tube fitting down to perform the self-check test. This manual operation physically moves the inner reed switch assembly while the float remains stationary (wet or dry). By doing this, the switch logic is inverted, checking the integrity of the circuitry without the need to remove the unit from the tank.

Adjustable versions are available for varying tank sizes. A special cinch nut on the mounting allows the stem to travel up or down to fine-tune actuation points. The extent of the adjustment depends on the unit's length and distance from the mounting to the highest float stop.

The LV150 Series is offered in integral one foot lengths. For other lengths, adaptor systems are available. They consist of 2 parts: the LVR-C6S coupling (2 x 2" FNPT) and an LVR-6S pipe nipple (2 x 2" MNPT) of various lengths to change the insertion depth of the sensor. When using the adaptors, retaining clip pliers are required to remove the float from installation.

## SPECIFICATIONS

### Wetted Materials:

Stem and Mounting: Brass or 316 stainless steel

Float: Nitrile or 316 stainless steel

### Operating Temperature:

-40 to 82.2°C (-40 to 180°F)

### Pressure Limitations:

Up to 125 PSIG with brass adaptors; up to 150 PSIG for Nitrile float units or when used with 316 SS adaptors; up to 750 PSIG for 316 SS float units.

### Accuracy: $\pm \frac{1}{8}$ "

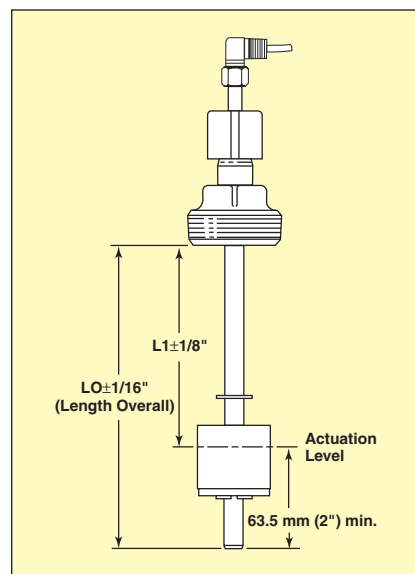
**Switch Rating:** 20 VA, 120-240 Vac pilot duty; 20 W, 50-240 Vdc resistive

**Cable:** 2-Conductor PVC jacketed (4 feet extended)

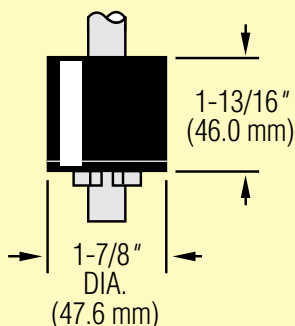
### Approvals: UL Recognized

**Weight:** 1 $\frac{3}{4}$  lb. +  $\frac{1}{8}$  lb. per foot for indicators; 1 $\frac{1}{4}$  lb. for LVR-C6S

## ACTUATION LEVEL

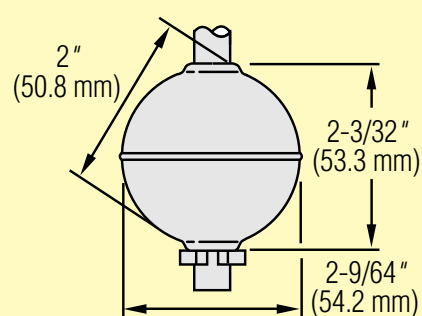


### Float Types Nitrile



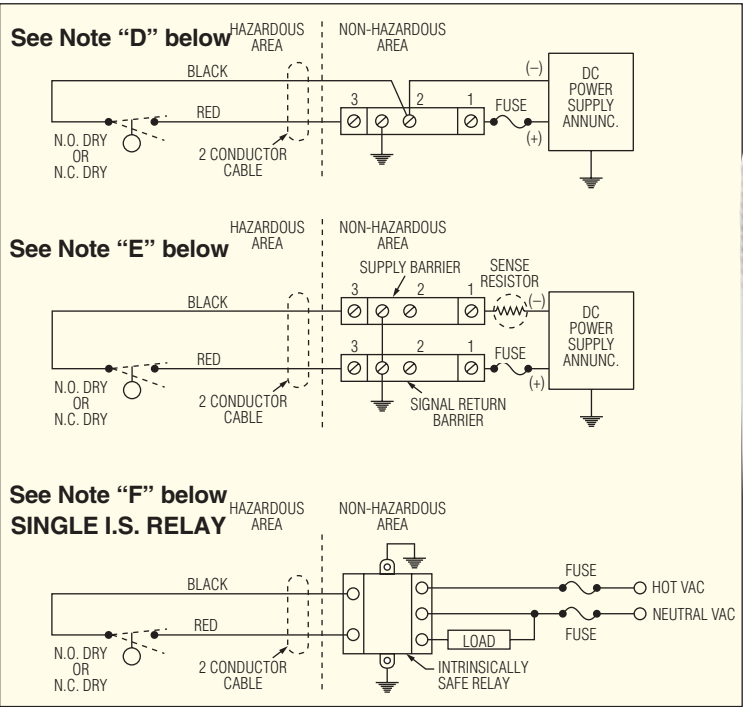
Min. Liquid Specific Gravity: 0.55

### 316 SS



Min. Liquid Specific Gravity: 0.80

Typical Wiring Diagrams



LVR-6S Pipe Nipples

LVR-C6S Coupling



**D:** Non-isolated System-Zener Barrier

**E:** Isolated System-Zener Barrier

**F:** If two signal lines must be maintained above ground potential, an individual zener barrier is required per single line.

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model No.)				
Brass/Nitrile Std Mount		316SS Std Mount		"LO" Length
Model No.	Price	Model No.	Price	
LV151	\$200	LV151SS	\$320	1 ft
LV152	220	LV152SS	360	2 ft
LV153	240	LV153SS	410	3 ft
LV154	260	LV154SS	455	4 ft
LV155	280	LV155SS	495	5 ft
LV156	310	LV156SS	545	6 ft

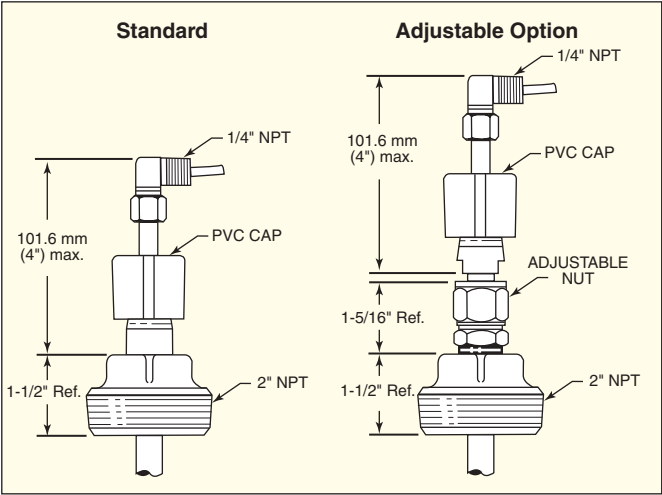
For units with adjustable mount, add suffix **"-A"** to model number, and add **\$50** for brass units and **\$78** for 316SS units.

**Ordering Example:** LV156SS-A, "Press to check" level switch with all 316SS construction, adjustable mount, and an LO length of 72 inches, \$545 + 78 = **\$623**.

Accessories

Model No.	Price	Description
LVR-C6S	\$45	150 lb. 316SS Coupling with 2" x 2" FNPT

MOUNTING TYPES



150 lb. 316SS Pipe Nipples

Model No.	Price	Wt.	Insertion Length Change	Model No.	Price	Wt.	Insertion Length Change	Model No.	Price	Wt.	Insertion Length Change
			3"	LVR-6S4	\$19	3/4 lb	4"	LVR-6S5	\$25	1 lb	5"
LVR-6S6	\$27	1 1/4 lb.	6"	LVR-6S7	31	1 1/2 lb	7"	LVR-6S9	42	2 lb	9"
LVR-6S11	52	2 1/2 lb.	11"	LVR-6S13	61	3 lb	13"				

**Ordering Example:** LVR-6S11 316SS nipple and LVR-C6S 316SS coupling. Price = \$52 + 45 = **\$97**. This adaptor system will decrease overall insertion length by a nominal 11 inches.