

# NEMA 6 (IP68) SIDE MOUNTED LIQUID LEVEL SWITCHES

For High, Low, or Intermediate Level Sensing

LVN-90 Series



- ✓ NEMA 6 (IP68) Rated
- ✓ User Selectable, Normally Open or Normally Closed
- ✓ Mounts Horizontally

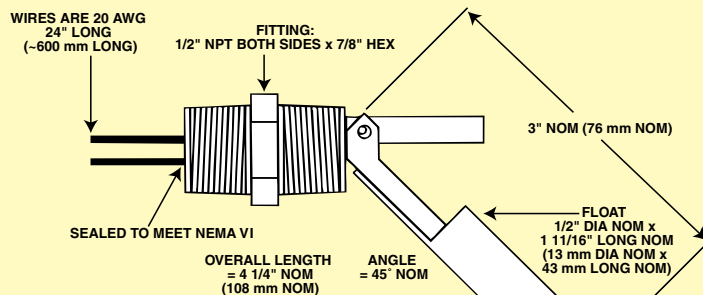
These liquid level switches are sealed with potting compound. The only path for liquid to the electrical switch would be through the wires. If the wires are terminated in an appropriate manner [e.g. NEMA 6 (IP68) connectors], the level switch will meet or exceed a NEMA 6 (IP68) rating, making them suitable for submersion with years of worry free operation in moisture-laden environments. A sealed SPST switch provides consistent accuracy and high repeatability with the effects of shock, vacuum or vibration minimized.

The switch is extremely versatile since it is user selectable as a normally open or normally closed by simply reversing the float or the mounting of the switch. The standard NPT male fittings allow for quick installation in either the top or bottom of the tank or vessel.

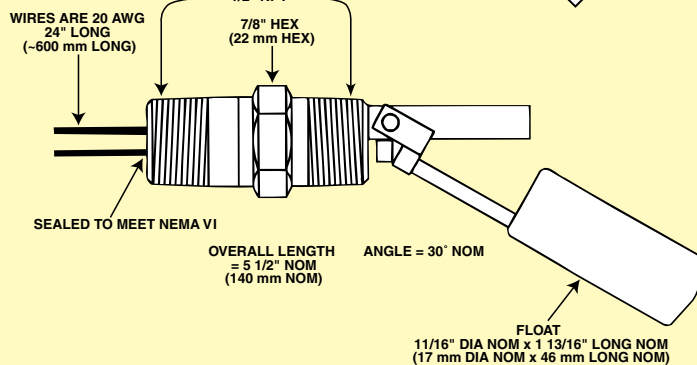


LVN-92 shown actual size.

## LVN-90 and LVN-92



## LVN-93



## SPECIFICATIONS

### Operating Temperature:

LVN-90 thru LVN-92: -40 to 82°C (-40 to 180°F)

LVN-93: -40 to 149°C (-40 to 300°F)

### Maximum Pressure Rating:

100 to 500 psi

Mounting: 1/2" NPT

Switch: SPST

Switch Actuation:

Approximately 1/2 the float travel in liquid of 1.0 specific gravity

Lead Wires: 20 awg. 24" PVC



LVN-90 shown smaller than actual size.



LVN-91 shown smaller than actual size.

## To Order

| Model No. | Switch Rating | Stem/Float    | Maximum      |         | Float Spec. Gravity |
|-----------|---------------|---------------|--------------|---------|---------------------|
|           |               |               | Temp. °C (F) | Pres.   |                     |
| LVN-90    | 50 VA         | CPVC          | 82 (180)     | 100 psi | 0.71                |
| LVN-91    | 50 VA         | PVDF          | 82 (180)     | 100 psi | 0.88                |
| LVN-92    | 50 VA         | Polypropylene | 82 (180)     | 100 psi | 0.49                |
| LVN-93    | 50 VA         | 316 SS        | 149 (300)    | 500 psi | 0.85                |

Comes complete with operator's manual.

Ordering Examples: LVN-93, 316 stainless steel level switch.

LVN-90, CPVC level switch.