

# VERTICAL BUOYANCY SENSORS

LVV-110 Series  
Starts at  
**\$90**



- ✓ Unique Filling Baffle Eliminates Surface Chatter
- ✓ Dynamically Stabilized Float
- ✓ Selectable Normally Open or Normally Closed States
- ✓ Mounted Vertically Wet or Dry
- ✓ Available In Quality Reed Switch
- ✓ NEMA 8 (IP68) Submersible Sensor Body and Cable

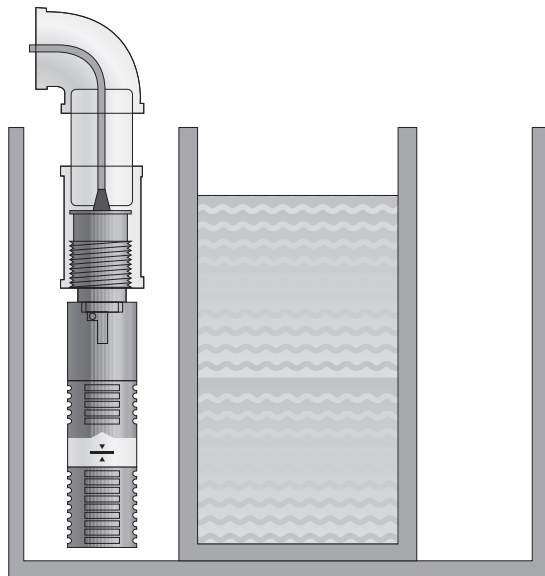
The LVV-110 Series unique vertical buoyancy sensors are technically the most advanced float available today. The filling baffle causes the float to be filled below the liquid surface, thereby eliminating the effects of surface tension. The self flushing design also encourages particulate matter to be purged through the baffles. The sensors are conveniently available in a reed switch.

## SPECIFICATIONS

**Accuracy:** ±2 mm in water  
**Repeatability:** ±1 mm in water  
**Extreme Orientation:** ±20° from vertical  
**Specific Gravity:** 0.8 min.  
**Switch Type:** For LVV-110, 111; SPDT for LVV-120, 121  
**Switch Voltage:** 120 Vac, 120 Vdc @ 15 VA for LVV-110, 111; @ 50 VA for LVV-120, 121  
**Switch Output:** Selectable NO or NC States  
**Temperature Range:** -40 to 90°C (-40 to 194°F)  
**Pressure Range:** 25 psi (2 bar) @ 25°C; derated @ 1.667 psi (0.113 bar) per °C above 25°C  
**Probe Material:** PP or PVDF  
**Probe Rating:** NEMA 6 (IP68)  
**Mounting Threads:** ¾ NPT  
**Cable Type:** 2.4 m (8'), 3-wire, 22 gauge with ground, shield and PP or PFA jacket  
**Max. Cable Length:** Up to 152 m (500')  
**Dimensions:** 13.7 x 2.67 or 8.1 x 2.67 cm (5.4 x 1.05 or 3.2 x 1.05"), ¾ NPT



LVV-110, \$110, shown smaller than actual size.



Secondary containment tank



**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)				
Model No.	Price	Description	Mat'l	Size
LVV-110	\$110	Sensor-reed switch	PP	4.5 x ¾ NPT
LVV-111	220	Sensor-reed switch	PVDF	4.5 x ¾ NPT
LVV-120	90	Sensor-reed switch	PP	2.75 x ¾ NPT
LVV-121	190	Sensor-reed switch	PVDF	2.75 x ¾ NPT

## Accessory

Model No.	Price	Description
ES-2208	\$130	Reference Book: Hands On Water and Wastewater Equipment Maintenance Volume II

Comes complete with operator's manual.

Two extended cable lengths available. For 7.62 m (25') add suffix "-25" to model number, and add \$20 for PP models, or add \$75 for PVDF models. For 15.24 m (50') add suffix "-50" to model number, and \$40 for PP models, or add \$150 for PVDF models.

**Ordering Examples:** LVV-110, sensor, PP, \$110.

LVV-121, sensor, PVDF, \$190.

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