

VERTICAL BUOYANCY SENSORS

LVV-110 Series



- ✓ 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

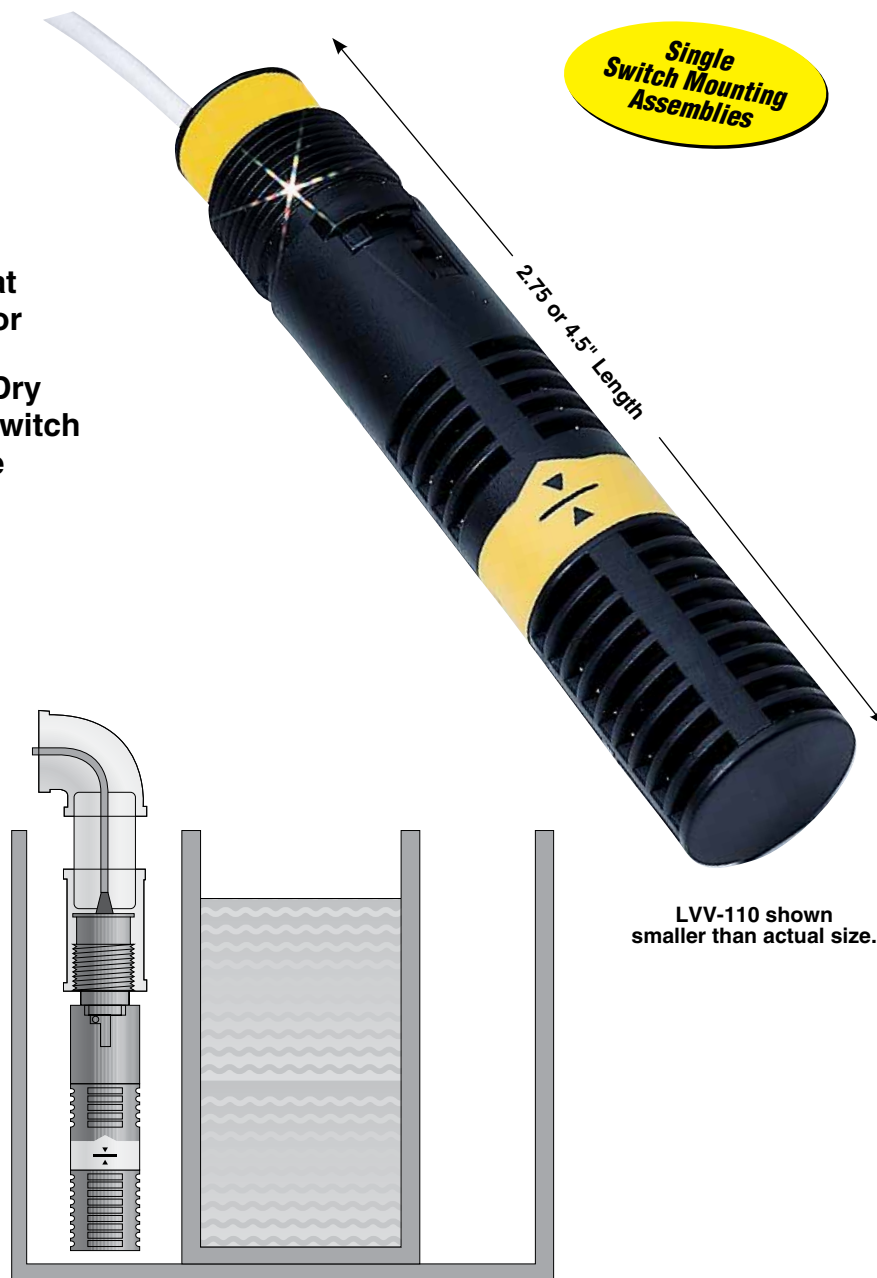
Maximum Cable Length:

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 shown smaller than actual size.

To Order			
Model No.	Description	Mat'l	Size
LVV-110	Sensor-reed switch	PP	4.5 x ¾ NPT
LVV-111	Sensor-reed switch	PVDF	4.5 x ¾ NPT
LVV-120	Sensor-reed switch	PP	2.75 x ¾ NPT
LVV-121	Sensor-reed switch	PVDF	2.75 x ¾ NPT

Comes complete with operator's manual.

Two extended cable lengths available. For 7.62 m (25') add suffix "-25" to model number, for additional cost, for PP models, or PVDF models, for additional cost. For 15.24 m (50') add suffix "-50" to model number, for additional cost, for PP models, or PVDF models.

Ordering Examples: LVV-110, sensor, PP.

LVV-121, sensor, PVDF.