

## Vertical Mounting Float Level Switch-LTVS

### Description

**LTVS Vertical Mounting Float Level Switch** is an established and reliable technique in industry for single/multiple liquid level sensing and control in open or pressurized vessels.

### Operating Principle

It operates on the basic buoyancy principle. It uses float/s that glide on the surface of the liquid. The level switch consists of- terminal enclosure, float stem with hermetically-sealed reed switches and float/s with magnets assembled inside. As the float/s rise or fall with liquid level, the internal magnet moves in and out of the field of the switch resulting in its opening or closing with a non-magnetic barrier tube containing the reed switch isolating it from the process.

These type level controls are available for controlling level at up to four different preset locations and can virtually be made of any length. This switch is highly effective and cost shedding and also finds use in a wide range of industries.

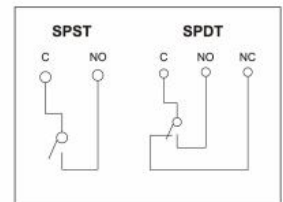


### Specifications

Enclosure	Weatherproof /Cast Al. IP66 Flame Proof to Gr.IIA IIB
Mounting	Top
Max Length(below flange)	Up to 3000mm (more if required)
Process Connection	Flange / Thread
Wetted Part	SS/MS/PP/PTFE/PVDF
No. of Floats	Single/ Multiple (Max.4)
Switch Type	Reed Switch (SPST/SPDT)
Conduit Connection	¾" ET or ½" NPT
Min. Specific Gravity	0.8
Max. Temperature	Up to 150°C, others on request
Maximum Pressure	Up to 20 Kg/cm <sup>2</sup>
Process Connection	Flange / Thread

**SPST** - Normally open contact (NO)  
(Single pole single through)

**SPDT** - Changeover contact (C/O)  
(Single pole double through)



### Features

- Reliable & low cost
- Hermetically sealed magnetic switches
- PC/PLC/DCS, Alarm Annunciator configurable
- Available with External Chamber

**Application**

Water, Diesel, Oils, Chemicals, Milk & Dairy products, Juices, Lubrication/Filtration systems, etc.



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