

LHVF Series

Horizontal Right Angle Float Switch Level Sensors

LHVF Series Horizontal Liquid Level Sensors are a compact, side-mounted float switch designed for reliable point-level detection in tanks and reservoirs. A float follows the liquid level and magnetically actuates a hermetically sealed reed switch, providing dependable ON/OFF control without standby power. The LHF is ideal where top or bottom mounting is impractical, or space is limited. Available with Normally Closed (NC) contact, in Metric thread and Stainless Steel SUS304, making it suitable for use in a wide range of Industrial, Food/Beverage and Storage Tank applications.



- Side-mounted installation
- Compact design for space-constrained equipment and shallow tanks
- No standby power required
- Reliable magnetic switching - hermetically sealed reed switch is isolated from the liquid
- Flexible switching options
- IP67 protection suitable for industrial environments
- -20°C to 110°C temp range
- Rated up to 200V / 70W.
- Multiple float and stem materials available

Specifications & Materials:

Sensor Type	Float / Level
Orientation	Right Angle (Float Up or Down)
Stem Material	Stainless Steel SUS304
Float Material	Stainless Steel SUS316
Recommended Liquid Density	$\geq 0.75 \text{ g/cm}^3$
Float Specific Gravity (Typical)	0.65 - 0.85
Ingress Protection	IP67
Mounting Thread	Metric M10
Number Of Switch Points	1
Switch	Normally Closed (NC)
Operating Temperature Range	-20°C to +110°C (Stainless Steel)
Hysteresis	2mm - 6mm Typical
Vibration Resistance	30g
Shock Resistance	200g
Cable Material	PVC
ROHS Status	Compliant

Horizontal Float Switch Level Sensors

Electrical Specifications:

	Low Voltage	High Voltage
Rated Power	10W	100W
Switch Voltage	200V	1000V
Switch Current	1A	1A
Carry Current	1.25A	2.5A
Contact Resistance	400mΩ	
Insulation Resistance	≥100 MΩ @ 500VDC	
Dielectric Strength	1500VAC / 60s	2500VAC / 60s
Electrical Life	≥1 x 10 ⁵ Operations (Resistive Load)	

Part Number Configurator:*

Series:	LVHF	Example:	LHVF	E	3	80	NC	L	30
Material Type:	A - Polypropylene (PP) D - Polyvinyl Chloride (PVC) B - Polyphenylene Sulfide (PPS) E - Stainless SUS304 C - Polyamide (PA) F - Stainless SUS316								
Thread:	1 - M6 2 - M8 3 - M10	4 - M12 5 - M16 6 - 1/8NPT	7 - 1/2NPT 8 - 1/8BSP 9 - G1/2BSP						
Arm Length (mm):	xxx								
Switch Output:	NO - Normally Open NC - Normally Closed CO - Changeover								
Voltage:	L - Low Voltage H - High Voltage								
Cable Length (cm):	xxx								

LHVF380-NCL-30: Horizontal Float Switch, M10 Thread, 80mm Arm, Normally Closed, Low Voltage, 30cm Cable

*options available on request, MOQ dependent.

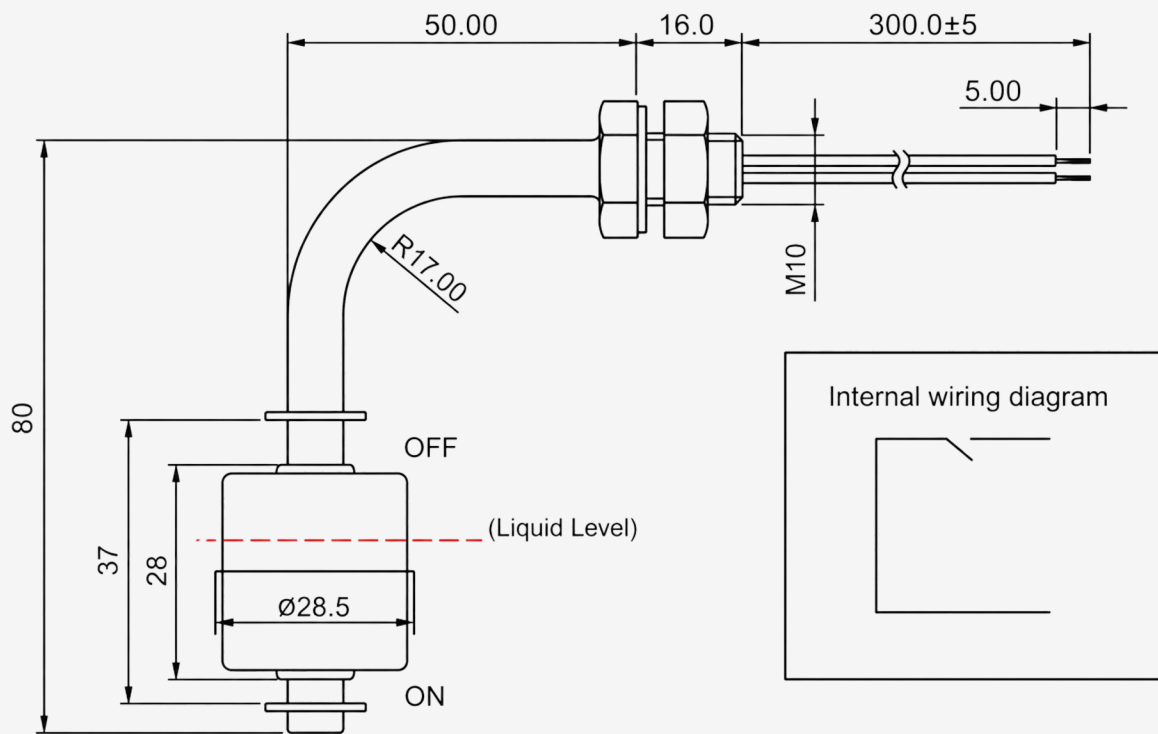
Please contact us with your requirements for more details.

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Dimensions:

LHVFE380-NCL-30

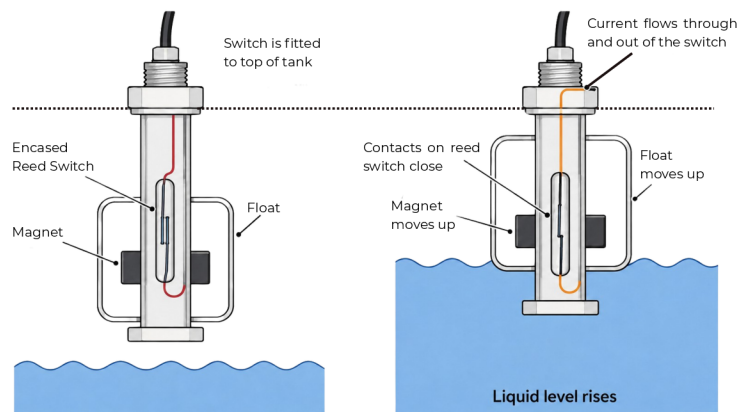


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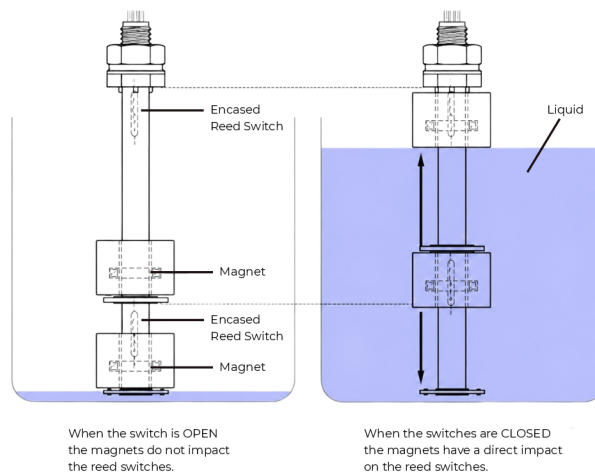
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Application Notes / Examples:

Single Float Switch



Double Float Switch



Also available

LVF Float Switch (Plastic)



LVF Float Switch (Stainless)



LHF Float Switch

