



LMF-TM

Top Mounted Magnetic Float Level Switch



Model LMF-TM



Description

A reliable technique in industry for single / multiple liquid level sensing and control in open or pressurized vessels.

Operation

It operates on the basic buoyancy principle .It uses float that glides on the surface of liquids. This level switch consists of - Terminal Enclosure, Float Stem with Hermetically sealed Reed Switches and Float with magnets assembled inside. As the float rises or falls with liquid level, the internal magnet moves in or out of the field of the switch resulting in its opening or closing. A non-magnetic barrier tube containing the reed switch isolates 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.

Specification

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
Float	Dia 28, 35, 52, 60 mm
No. of Floats	Single/ Multiple (Max.4)
Contact	NO +NC
Switch Type	Reed Switch (SPST/SPDT), 0.5A
Conduit Connection	2xPG-11 or 1/2" NPT
Guided Stem	Dia 8/12.7/16mm
Min. Specific Gravity	0.8
Mac. Temperature	Up to 150° C, others on request
Maximum Pressure	Up to 20 Kg/cm2
Process Connection	Flange / Thread

Features

Reliable & low cost
PC/PLC/DCS, Alarm Annunciator configurable
Available with External Chamber

Application

Fuel oil tank control, Boiler feed water drum control, cooling tower lubrication/cooling/filtration systems, paint shops, water/waste water treatment etc.

Order Code

LMF-TM	Top Mounted Magnetic Float Level Switch
Hxx	Enclosure: HAN: Aluminum Non-Hazardous IP-66/68, HAX: Aluminum Flameproof IIA, IIB and IIC,
Tx	Material Temperature (T1: max 80°C, T2: max 150°C, TS: Customer specified - Special designed)
Gxx	Guided Stem (GS1: 8mm, GS2: 12.7mm, GS3: 16mm)
Fx	Float Single/Multiple max.4 Dia,35X40X15mm (Guided Stem 12.7mm), Dia 28X28X10mm (Guided Stem 8mm)
Px	Process Connection Type (PFL: Flanged Type) (PB1: BSP 1", PB2: BSP 1 1/2", PB4: BSP 1 1/4", PB5: BSP 2") (PN1: NPT 1", PN2: NPT 1 1/2", PN4: NPT 1 1/4", PN5: NPT 2") (PT1: 1" Triclap/Triclover, PT2: 1-1/2" Triclap/Triclover, PCS: Special Process Connection)
Cx	Process Connection Material: (C4: SS-304, C6: SS-316, CL: SS-316L, CS: Special Material)
MSxP	Switch Type: Reed Switch SPDT (MS1P: 1 Float, MS2P: 2 Float, MS3P: 3 Float, MS4P: 4 Float)
Lxxx	Insertion Length (100mm - 3000mm)

Specifications are subject to change without prior notice