

## FLOAT SENSOR SPECIFICATIONS



The float Switch is made for liquid level monitoring and can be further used for pump control along with level controller unit in all industrial and domestic application.

### Working Principle

The WATCO make MFS (Magnetic Float Switch) Level Float Switch is suitable for level switching of various liquids (Viscosity less than or equivalent to water). The float is made of blow molded tough polypropylene that ensures good waterproof protection. The contacting reed switch is incorporated in the float. The cable of the level switch is absolutely waterproof and TPR. Different control tasks such as

liquid level monitoring and pump control can be realized. It is mercury-free contact and suitable for level switching of drinking water, raw water or polluted liquids with low solid content. The level switching is done when the contact reaches the  $\pm 45^\circ$  switching angle. The switching differential of the level switch is adjustable by the position of the counterweight on the cable. The level switches should be arranged appropriately in case of multi-level switching tasks to avoid undesired tangling of the cables.

### Features

- Hermetically Sealed
- Mercury free operated Reed switch

### Applications

- Domestic tanks
- Any liquid tanks(Viscosity less than or equivalent to water

### CAUTION

- Do not expose to direct sunlight continuously.
- Handle with care.

### Technical Specifications

Technical Specifications	
Type	MFS(Magnetic Float Switch )
Enclosure material	PP (Polypropylene)
Cable material	TPR (Thermoplastic Rubber)
Cable Length	3mtr (STD)
Installation Positions	Vertically suspended in close tanks
Buoyancy	0.5
Temperature range	-5°C to 45°C
Pressure	5Kg(Tested)
Change Over Contact	NO ,NC(Optional)
Contact Rating	24 V(AC/DC) 250mA Max
Response Delay	0.5ms
Protection	IP 68
Weight	300 gm(Approx.)
Switching Angle	$\pm 45^\circ$
Switch	Reed switch
Dimensions	D=40mm,L=110mm,W=60mm
Weight	300gm (Approx)