

**SIDE MOUNTED**



Unitech's dual magnet float type side mounted level switches are used for controlling liquid levels in open or closed containers.

These switches are suited for mounting on containers where it is impracticable to mount top mounted levels switch due to space or cost constrains.

This switches are very rugged in construction and can be used for light fraction liquids as well.

These switches house permanent magnet in float assembly which rise and fall with float. This magnet repels another magnet housed in the switch housing. This magnet activates the snap action micro switch.

The advantage of this mechanism lies in the fact that contact pressure is independent of the force of magnet.

**SPECIFICATIONS:**

**Contact** : Micro switch NO/C/NC  
**Contact Material** : Ag-CdO2  
**Contact Rating** : 5A @ 240 V AC  
**Liquid Sp Gravity**: Min 0.6.  
**Hysteresys** : ±15 mm  
**Rated Pressure** : 6 Bar  
**Test Pressure** : 10 Bar  
**Installation** : Horizontal  
**Protection** : IP-67 for electrical housing.

**Material**  
**Float assly** : PP, SS 304 / SS316  
**Flange** : SS 304, SS 316, PP  
**Elect. Housing** : Die Cast Al-LM6

**Nozzle size** : Min NB 50  
**Float size** : 48 dia x 100 Min  
**Electrical conn.** : 3/4" ET

**Options:**

PTFE lined float assly for very corrosive application.

Offset stem for different nozle centre and switch position.

Larges float and higher hysteresis can be offered if required.

**TOP MOUNTED MAGNETIC**



Top mounted liquid level switches have a reed switch hermetically sealed in float guide tube.

As the float moves along the guide tube the ring magnet in the float activates the reed switch.

The reed switches are available in normally open, normally closed or change over type.

Application :  
 Magnetic Level switches are installed for the control of of liquid levels in vertical

**SPECIFICATIONS:**

**Contact** : REED Switch  
**Contact Material** : Ag-Pd  
**Contact Rating** : 0.5A @ 240 V AC  
**Liquid Sp Gravity**: Min 0.7  
**Hysteresys** : ±5 to 10 mm  
**Rated Pressure** : 10 Bar  
**Test Pressure** : 16 Bar  
**Installation** : Vertical  
**Protection** : IP-67 for electrical housing.

**Material**  
**Float assly** : PP, SS 316  
**Flange** : SS 304, SS 316, PP  
**Elect. Housing** : Die Cast Al-LM6

**Nozzle size** : Min NB 50  
**Float size** : 32 dia x 32 or bigger  
**Electrical conn.** : 3/4" ET

**Process Connection:**

: Flanged to ASA B 16.5  
 BS 10 : 1962  
 DIN 2633

**Options:**

PTFE lined guide pipe and float assly for very corrosive application.

Nylon, Polypropylene, Hard PVC, Spherical SS 316, Cylindrical SS 316 and cylindrical PTFE Floats available in variopus sizes. Pressure rating is dependent on float size. Bigger the float highert the rating.

Flame proof electrical housing available for Gas group I, IIA & IIB.

Various Flanged process connections are available to suit customer tank Nozzle. Minimum being 40 NB.

**BYE-PASS**



In certain applications such as high temperature liquids, turbulant liquids, tanks installed in areas with limited space it becomes necessary to installed bypass level switch.

The device consists of level switch installed in metal housing. Two ermoto coupling provided facilitates device to function in accordance with hydraulic principles.

**SPECIFICATIONS:**

**Contact** : 1 Changeover Switch  
**Contact Material** : Ag-Pd  
**Contact Rating** : 0.5A @ 240 V AC  
**Liquid density** : Min 0.8  
**Hysteresys** : ±5 mm  
**Rated Pressure** : 10 Bar  
**Test Pressure** : 16 Bar  
**Installation** : Vertical  
**Protection** : IP-67 for electrical housing.  
**Material** : SS 316, PP  
**Float assly** :  
**Flange** : PP, SS 316  
**Elect. Housing** : SS 304, SS 316, PP  
**Housing** : Die Cast Al-LM6

**fitting size** : 3/8" BSP with ermoto coupling  
**Float size** : 52 dia x 50 Min  
**Electrical conn.** : 3/4" ET  
**Housing Volume** : 175 cm3.