

## KABIR INSTRUMENTS & TECHNOLOGY

### SIDE MOUNTED MAGNETIC LEVEL SWITCH

**"Kit" Magnetic Level Switch** (side mounted type) is float-operated working on magnetic repulsion principle. Simple in design and robust in construction together with strict quality control makes the switch a very reliable product.

This can be used for initiating high or low audio-visual signals or automatic level control of liquids in pressurized or open tanks, containers, hot water service, sterilizing equipment and a variety of process control fluid tanks.

#### **OPERATION:-**

The float assembly carries a permanent magnet. With the float movement, this magnet repels another magnet kept inside the switch housing which in turn actuates a micro-switch having snap action of contacts



#### **SPECIFICATIONS:-**

Float Assembly	SS-304/SS-316
& Connection Flange	SS-304
Switch Housing	15mm app.
Differential- fixed	0.7
Minimum sp. Gravity of liquid	10.5 Kg/cm <sup>3</sup>
Max. Working Pressure	300°C
Max. Working Temperature	Change-over type micro switch 1 NO + 1 NC with silver contacts having current rating 5A at 240V.

Process Connection :  
Flange Mounted / Screw  
Mounted

The switch is provided with 3-way plug-in connector. Terminals 1 & 2 are normally open and 2 & 3 are normally closed when the level falls. Change over of contacts occurs when level rises/falls with 15 mm liquid level differential. For switch dimensional details and for switch installation on tank.

### Features:-

1. The side mounted float level Switch are manufactured specifically for horizontal mounting in a tank or vessel. They work well as High or low level control.
2. The Micro-Switch type is usable even at ambient temp. of 180°C max.
3. Mounting flanges are custom-specifiable.
4. A rich variety of floats can suit different specific gravity (S.G.) of liquid. (Custom-made)