



NRG GLOBAL

Manufacturer of :
Flow, Level, Pressure and
Temperature Instruments

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TOP MOUNTED MAGNETIC FLOAT SWITCH



1. PRODUCT DESCRIPTION

NRG GLOBAL Introduced magnetically float operated Top Mounted Level Switch for controlling one or multi Levels by using reed Switch. The Unit Consists of Vertical Guide Pipe (Stem), Reed Switches Are located, Magnetic Float Sliding over the Stem according to the level in the tank. After passing the float, the reed relay will retain their output state. Various materials of construction are available depending up on Service Condition. Maximum 4 Set points can be given in a Single Level Switch & Maximum stem length will be 3 Meters.

2. TECHNICAL DATA

Float : S.S.316 / SS with PTFE / Poly Propylene

Process Connection : Flanged / Screwed / TC Joint

Flange : Mini 1" NB to Any Size in C.S. / S.S.304 / S.S.316 / SS with PTFE Coated / P.P.

Switch : Hermetically Sealed Magnetically Operated Reed Switch with Rhodium

Contact SPST / SPDT.

Rating : 0.5 Amps @ 24 V DC

Switch Housing : Die Cast Aluminum, Weather Proof IP 65 (Enclosure) /

Flame Proof to II A, II B (IS – 2148 CMRS Dhanbad Approved)

Operating Pressure : 10 Kg / Cm²

Operating Temp : Max. 90 C.

Cable Entry : ½" NPT (F) OR ¾" ET (F)

No of Switches : As Per Customer Requirement

Stem Length : Up to 3 Meters

3. DESIGN FEATURES

1. One Moving Component Exists, so that no – wear of float.
2. Suitable for any fluid having Specific Gravity Above 0.7
3. Minimum possible Distance between 2 Level set Points is 75 mm.
4. Accuracy : $\pm 0.10\%$, $\pm 0.25\%$, $\pm 0.5\%$ on F.S.
5. The switch operates on the principle of magnetic flux coupling with no mechanical connection so that fluid contamination of switch components cannot occur.

4. ORDERING INFORMATION

Information Required to Quote: Material of Construction, Service Medium, Specific Gravity, Max. Pressure & Temperature, Number of Actuating Levels & Their Distance from top of the Connection, Process Connection.