

Top Mount Float Level Indicator

We are introducing our Liquid Level Indicators to indicate the liquid level inside the tank with outside visual indication and controlling level with proximity reed sensors as per requirement of users. The Liquid Level Indicator with Reed Proximity sensor gives appropriate indication of High, Low as well as multiple liquid levels of tank as per the requirement of user. The Reed Proximity sensors are freely adjustable at any two adjacent rods with desired level along with latching technology.



Standard Structure:

Standard Liquid Level Indicator is provided with four SS 304 supporting rods; mounted on a MS flange along with centralize transparent acrylic tube for visual indication purpose. The two sensor brackets have been provided for mounting of Reed proximity sensors.

Float is made up of solid Polyurethane Foam of very low density. The float is connected to a piston rod & the other end of which fitted with a circular bicolour magnetic disc for level indication above the tank, it performs a dual role of liquid level indication & actuation of Reed Proximity Sensor.

Construction:

Indicator Length: 100mm to 1000 mm

(For above 600 mm, additional two supporting rods of 8 mm will be provided)

Indicating Tube: Transparent Acrylic Tube

Mounting Flange: 100 Sqmm, MS

Float: 85 mm, Solid Polyurethane Foam

Max. Temperature: 80° C (Higher temperature on request)

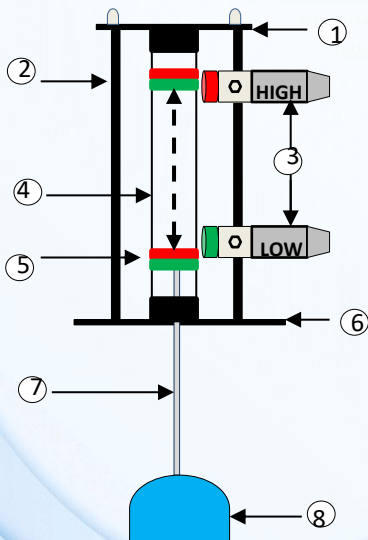
Max. Pressure: Atmospheric

Application: Hydraulic oil, Coolant, Oil, Diesel, petrol & any liquid applications

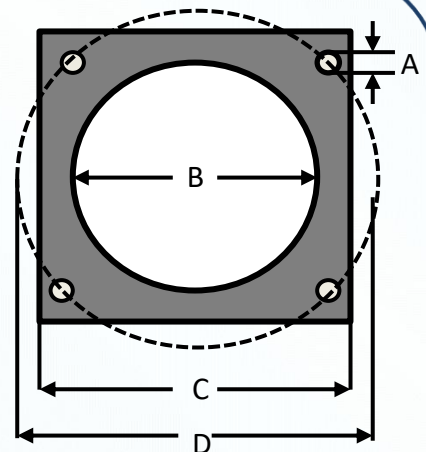
Stainless Steel Structure:

Liquid Level Indicator with complete SS 304 or SS 316 construction is offered to meet the demands of anti corrosive material, pharmaceuticals as well as food grade material.

Application: Washing Machines, Edible Oil, Pharma & Chemical



- Level Indicator Details**
- 1 - Top Flange
 - 2 - Four SS Supporting Rods
 - 3 - Reed Proximity Sensor
 - 4 - Transparent Acrylic Tube
 - 5 - Bicolor Disc With Magnet
 - 6 - Bottom(Mounting) Flange
 - 7 - SS Piston
 - 8 - Float ϕ 85 mm



- Mounting Flange Details**
- A = Four Mounting Hole ϕ 8.8 mm
 - B = Tank Cutout Size ϕ 90 mm
 - C = Mounting Flange 100 sqmm
 - D = PCD ϕ 120 mm

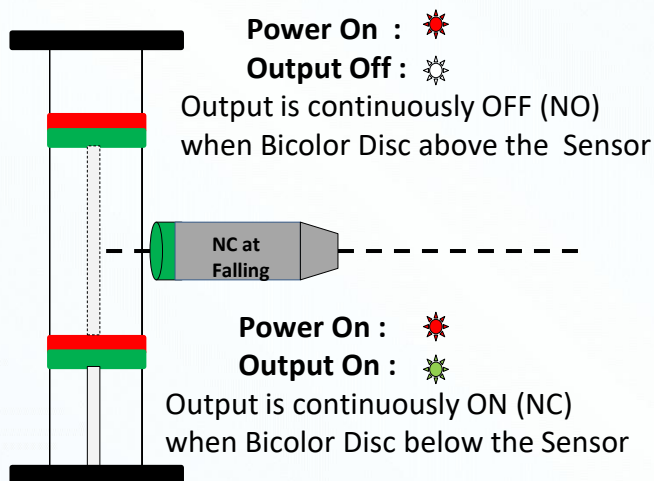
Reed Proximity Sensor :

The Reed Proximity sensor consists of a Reed Switch with latching technology. Generally the reed sensors are Normally Open at initial condition; when actuates it gives Normally Close contact. The circular bicolour magnetic disc actuates the Reed switch & latching technique holds the position

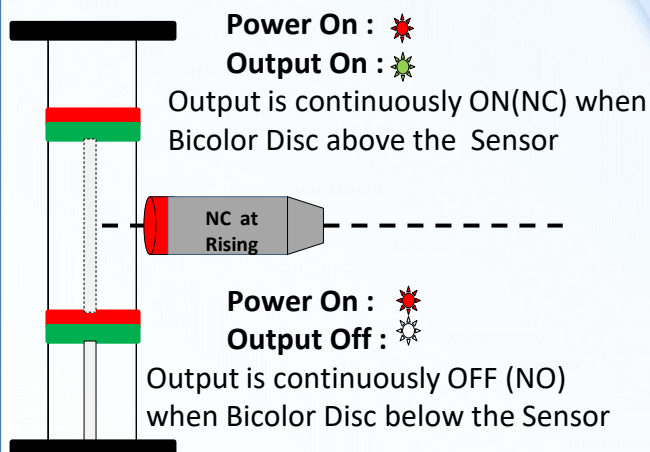
At the Rising sensor, when bicolour magnetic disc passes in front of reed sensor at higher level, it gives result as Normally Close & holds the position till it comes at reverse position. And after passing below to reverse position, it gives result as Normally Open contact.

At the Falling sensor, the condition will be vice-versa.

NC at Falling Sensor



NC at Rising Sensor



Reed Proximity PNP Sensor		Specification
Part No.	Function	Input : 10 - 30 V DC Max.Current : 400 mA Power ON Indication : Red LED Output ON Indication : Green LED Terminal : M12 Male Connector with 5 Mtr Cable
AI M18 RP	NC at Rising Level	
AI M18 FP	NC at Falling Level	
Reed Proximity NPN Sensor		
Part No.	Function	
AI M18 RN	NC at Rising Level	
AI M18 FN	NC at Falling Level	
Reed Proximity 230 V AC Sensor		Specification
Part No.	Function	Input : 230 V AC Max. Current : 800 mA Terminal : M12 Male Connector with 5 Mtr Cable
AI M18 R2	NC at Rising Level	
AI M18 F2	NC at Falling Level	
Reed Proximity Changeover Sensor		Specification
Part No.	Function	Input : 24 V DC / AC Max.Current : 400 mA Terminal : Three Core Integrated 5 Mtr Cable
AI M18 CO	Reed 1 - NC at Rising Reed 2 - NC at Falling	

Model Identification

TFLI-

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WITH MS FLANGE - AI
WITH SS 304 FLANGE - AIS

LEVEL INDICATOR LENGTH
IN mm

FLOAT

Nylon Float - NY
SS 304 Float - S4
SS 316 Float - S6

Number of Level Sensors

Types of Sensors

FP - Falling PNP Sensors
FN - Falling NPN Sensors
F2 - Falling 230 V Sensors
CO - Changeover Sensors

Types of Sensors

RP - Rising PNP Sensors
RN - Rising NPN Sensors
R2 - Rising 230 V Sensors
CO - Changeover Sensors