



OVERVIEW

Operation

The magnetic reed switch is hermetically sealed in a stem. The float encases a sealed magnet fixed on the tube at the relevant position of the magnetic reed switch. Because of the buoyancy, the float will move up and down within limits along with the liquid level. It rises and falls at the same time with the magnet in it, attracting the magnetic reed switch to generate switching action to control the level of liquid.

Application

- Level sensing of most liquid and solids
- Corrosive, thick, turbulent and corrosive liquid level measurement
- Fuel tanks, oil-pressure equipments
- Chemical and cooling vessels

Features

- Concise structure, delicate design
- Long term stability
- Simple installation
- Durable operations and perfect function
- Resistance to acid, alkali and anticorrosive



OPERATING DATA

Temperature Limit

-20...80°C for PBT housing
-20...100°C for PP housing

Ambient Temperature

-20...80°C for PBT housing
-20...100°C for PP housing

Pressure

10 Bar maximum

Sensing Degree

±30°

Humidity

20%-70% RH

Accuracy

± 3mm under water

Repeatability

± 1mm under water

Enclosure

IP68

MATERIALS

Housing

PBT or PP

Float

PBT or PP

Cable

PVC for PBT housing
PUR for PP housing

ELECTRICAL DATA

Output

NO/NC

Power Supply

20-60 VDC/ 20-250 VAC, 50-60 Hz
20-60 VDC (NPN/PNP)

Contact Resistance

0.5 Ω

Current Loading

0.5A (240 VAC/DC)

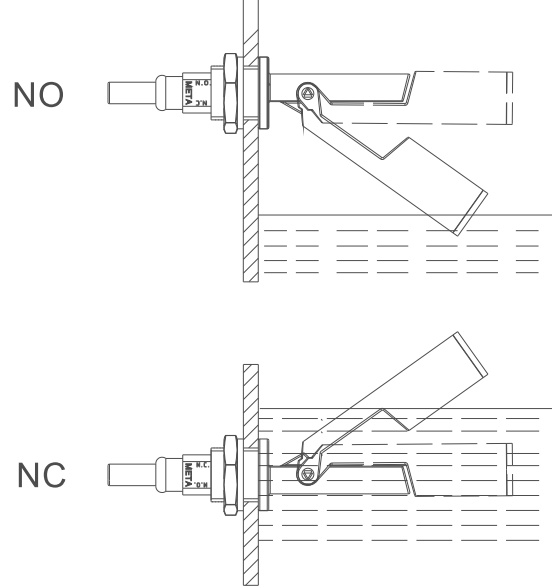
Operating Voltage

Max. 240 VAC/ 200 VDC

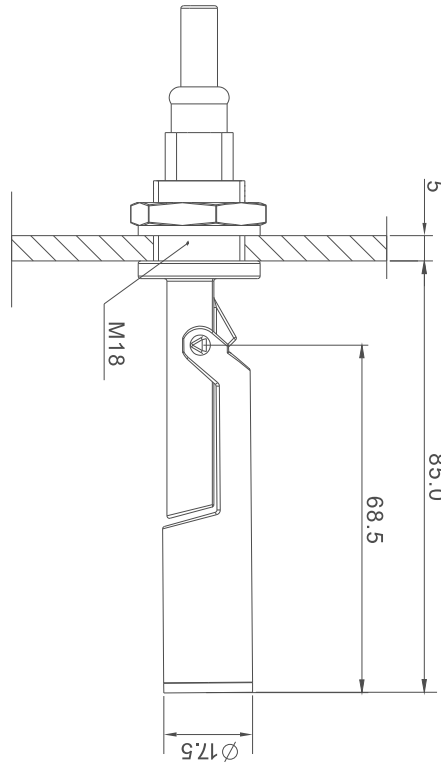


CONNECTION

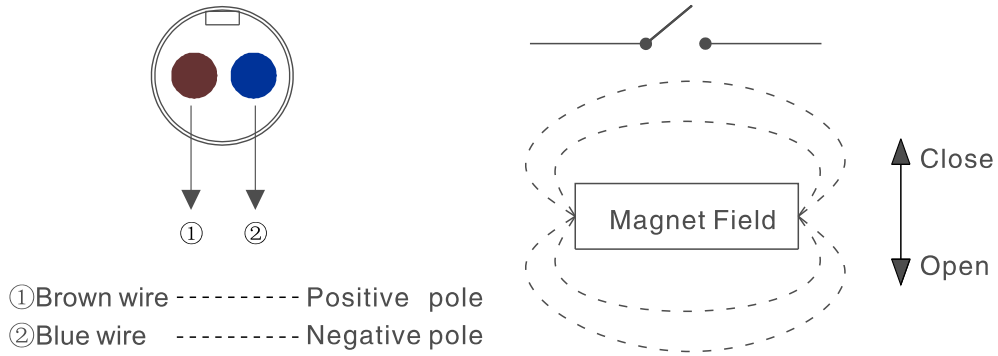
LLP series is outputted by magnet reed and the user can choose the status of NC or NO by the way of mounting. It can connect to the control system such as PLC, Relay, etc.



TECHNICAL DRAWINGS AND DIMENSIONS



WIRING



ORDERING

Model	
LLP	Float Level Switches

Model	
01	Standard (PBT housing)
02	Anti-strong acid/alkali (PP housing)

Cable Length	
XX	Please specify as unit is meter

