

The operating principle of these instruments is based on the magnetic actuation of a reed contact, placed inside the measuring rod, by a float. The only moving element is the float that moves. This ensures extreme robustness, repeatability and little maintenance. Threaded or flanged connections are available.

Features

- ◆ Upto 4 SPDT switches per unit (more available on request)
- ◆ Minimum Specific Gravity of 0.7
- ◆ Multiple Floats
- ◆ Variety of process connections
- ◆ Vibration resistant
- ◆ Operating Temperature up to 302 °F
- ◆ Operating Pressure up to 40 Bar
- ◆ 316/316L Standard, other materials on request
- ◆ PMI certificates available on request.

Applications

Magnetic float level switches are used for level detection of liquids in all types of tanks. They are perfectly suited for use in Condensate Tanks, Base Tanks, Storage Tanks to provide an alarm for low levels of lubricating oils or fuels.

- ◆ Water / Waste Water Treatment Plants
- ◆ Cooling Towers
- ◆ Lubrication / Filtration Systems
- ◆ Paint Shops
- ◆ Pharmaceutical,
- ◆ Chemical and
- ◆ Petrochemical Industries.

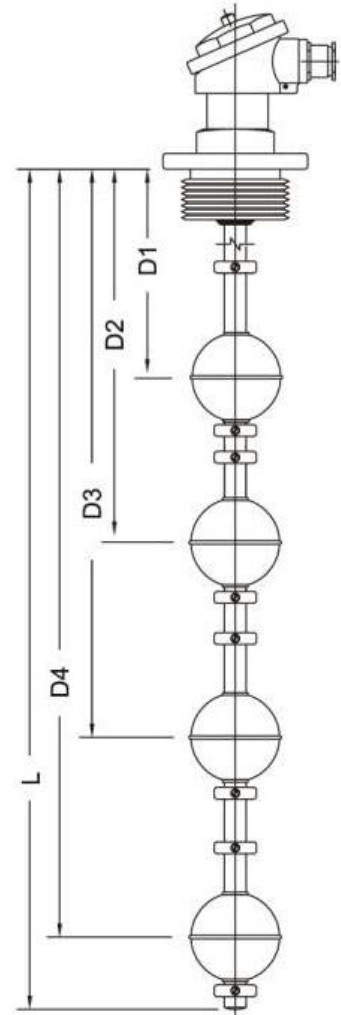
Specification

| | |
|----------------------------|---|
| Material of Construction : | SS 316L Standard, SS 316, PP |
| Minimum Specific Gravity : | 0.7 |
| Process Connection : | Flanged, Threaded |
| Switch Type : | Magnetically Actuated, hermetically Sealed, reed Switch |
| Accuracy : | ± 2mm |
| Insulation : | 100 Mega-ohms at 500VDC |
| Preset Levels : | 1 to 4, factory set |
| Special Feature : | Intrinsically safe to Ex ib Gr IIA-IIB |



Ordering Information Guide

| Description | Coding |
|--|--------|
| 1 Terminal Type | |
| Weatherproof IP66 / Cast Aluminum | D |
| Explosion Proof IP65 Gr. IIA, IIB, IIC | E |
| Aluminum Junction Box | A |
| 2 Process Connection | |
| 1.0" 150# Flange | A |
| 1.5" 150# Flange | B |
| 2.0" 150# Flange | C |
| 2.5" 150# Flange | D |
| 3.0" 150# Flange | E |
| 3/4" MNPT | F |
| 1.0" MNPT | G |
| 1.5" MNPT | H |
| 3.0" MNPT | I |
| 3.0" MNPT | J |
| Others | |
| 3 Float Material | |
| SS 316 | S |
| PU | P |
| PVDF | V |
| Others | O |



| Model | S12 | S14 | S22 | S24 |
|----------------|---------|---------|--------|---------|
| Voltage | 200V DC | 300V DC | 28V DC | 500V DC |
| Current | 0.5A | 3A | 0.25A | 1.5A |
| Rating | 15VA | 100VA | 3VA | 50VA |
| Switch | SPST | SPST | SPST | SPST |

This page has been internationally left blank

Magwell LLC
537 Cajundome Boulevard, Suite 111
Lafayette, LA 70506

Rev-05.01