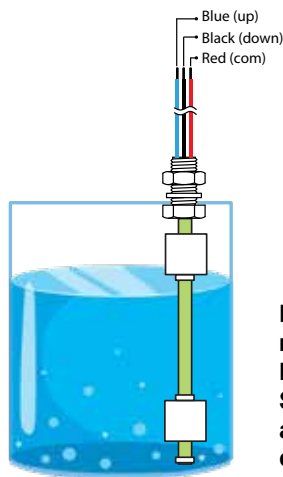


Vertical Level Sensor Two Ball, Two Point

150, 200, 300, 500mm Vertical SS Level Sensor



**Small Size
Rugged Durability,
With Broad Heat and
Pressure Capabilities,**



Rugged construction suitable for most corrosive liquids, and for high temperatures and pressures. Stainless steel is generally recognized as safe (GRAS) with FDA for food contact regulations.

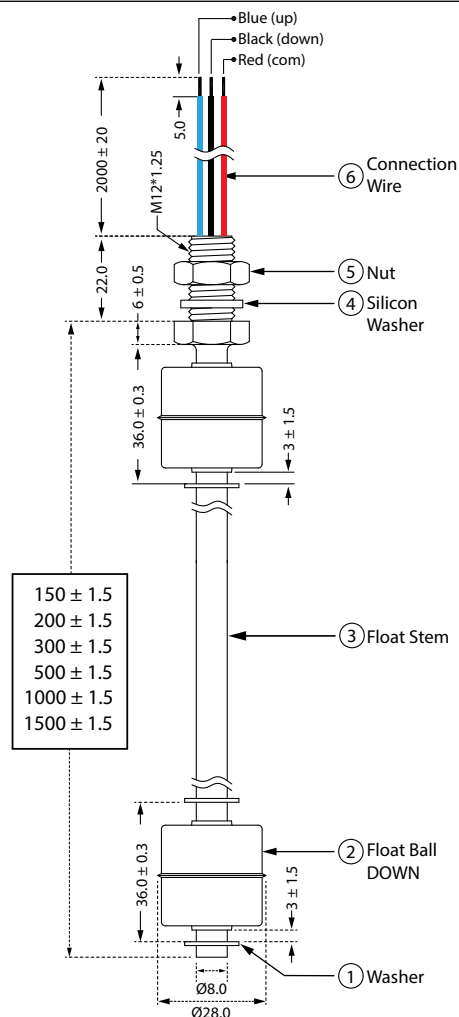
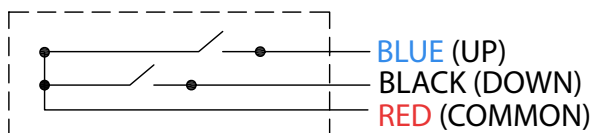


Order code

Series	Length mm	Ball	Point	Material
PSB2	150, 200, 300, 500 Other Length are available on request	2	2	S Stainless steel

1. Locking Ring – SS304
2. Float Ball – SS304 (Float Ball 2828)
3. Float stem – SS304
4. O Ring – Transparent Silicone Material
5. Nuts – M12 SS304
6. Wire – UL3122 24AWG, Silicone insulated for high temp. Black wire

INTERNAL SCHEMATIC DIAGRAM



Material Description

1	Blank	SUS304 Material
2	Float	SUS304 Material
3	Float body	SUS304 Material
4	Washer	Transparent Silicone Material
5	Nuts	M12 SUS304 Material
6	Wire	UL3122 24AWG Red, Blue, Black wire
7	Reed	10W
8	Magnet	Ferrite
9	Resin	Black high Temperature Epoxy Resin

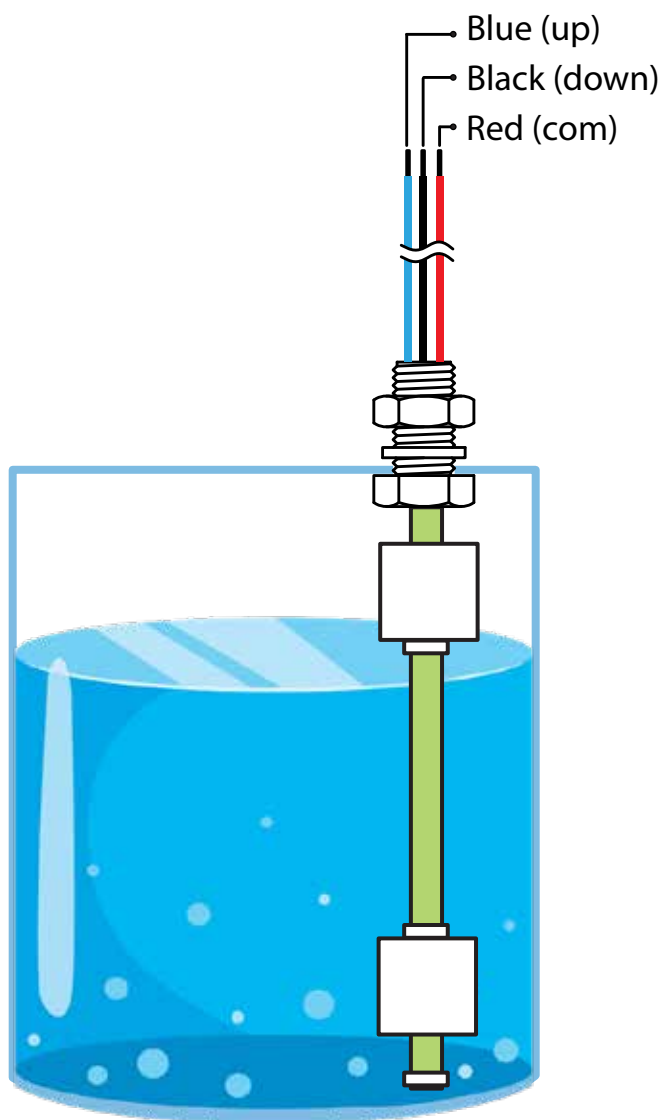
Switching Characteristics

1	Operation Life : 1×10^6 (DC:5V, 10mA)
2	Insulation Resistance : $\geq 100M\Omega$
3	Contact Resistance : $\leq 0.4 \Omega$
4	Max. Limiting Current : 1.0A
5	Max. Switching Current : 0.5A
6	Max. Switching Voltage : 100V
7	Max. Contact Power : 10W
8*	Switch Type : NO Normally open (A) NC Normally closed (B)

Material Properties

1	Min. Shock Resistance : 30G
2#	Operating Temp. : $-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$
3	Min. Vibration : 30G (10 ~ 50Hz)
4	Humidity : 95%RH (80°C)
5	Waterproof : (Float Ball) 6% (1000hr)
6	For : Water,

* By reversing the float ball direction NO or NC can be achieved
Non-freezing



Maintenance

Maintenance should consist of inspection to see that the float is free to move and not coated with any substance, which would change its weight or volume significantly. If this occurs, the float should be cleaned. This is easily accomplished without disturbing the installation. In addition, the stem may be wiped down to remove any build-up. The only repair possible in the field is replacement of either the float or stem. Dents or nicks on the float are usually of no consequence to operation.

Cautions

1. The pressure, temperature and electrical limitations shown for the specified level switches must not be exceeded.
2. The liquids used must be compatible with the materials of construction.
3. Life expectancy of the switch varies with applications.
4. Excessive contaminants in fluid may inhibit float operation, and occasional wipe down may be necessary.
5. Level switches must not be field repaired
6. Physical damage to product may render product unserviceable.
7. Installation in a vessel made from magnetic materials may affect operation.