



### Working Principle & Operation

Displacer Level Switch works on the principle of buoyancy where in spring is connected with heavy displacers. When displacer immerse in the liquid due to buoyancy force, spring moves upward. Due to the spring action, coupler moves in upward direction and on other side where micro-switch is connected with switch assembly is coupled magnetically (refer Fig. 1), hence the micro-switch activates when the level is reached.

Displacer switch comes in 3 major types:

1. High or low level alarm
2. Pump control operation
3. Pump control with extreme high or low level alarm

### Special Features

- Sturdy and versatile
- Easy installation
- Rugged construction
- Site adjustable set points

### Applications

- Waste water & sewage
- Chemical processing system
- Pump control

### Specifications

#### Standard Version

Housing material	: Die-cast Aluminum
Ingress protection	: Weather proof IP 66
Material of wetted parts	: AISI 304 SS
Cable entry	: ½" NPT Single
Switch differential	: Compression 40 + 5 mm
Range	: 200 to 15000 mm
Switch contact	: 2 SPDT (DPDT)
Switch rating	: 5 A / 250 VAC
Minimum specific gravity	: 0.8
Maximum operating temperature	: 200 °C (SS) and 70 °C (PP)
Maximum operating pressure	: Vacuum - 20 kg/cm <sup>2</sup> (SS) and 0 - 5 kg/cm <sup>2</sup> (PP)

### Construction Type



