

Archimedes principal states that a body when immersed in a liquid will be buoyed upwards by a force equal to the weight of the liquid displaced.

The **Float** loses weight due to buoyancy, thus moves up and down with **Rise / Fall** of liquid level. The Float extension encloses a **bar magnet** which actuates a **Reed Switch** (SPST) and vice-versa action on Rising/Falling liquid level. Contacts are made with rise in level and broken with fall, when installed in the orientation as shown in the picture. This logic can be changed by installing the switch upside-down. Standard Process Connection is screwed 1/4" BSPM accompanied with a hex. locknut and PTFE washer. Installation will be internally on tank wall. Alternatively a plate flange can be provided for external installation, minimum 1 1/2" size.



<b>Sensing Element</b>	: Float Ø25x65, mm
<b>Material</b>	: SS-304 std. / SS-316
<b>Extension</b>	: Tube SS-304/316
<b>Pressure</b>	: Atm. (Higher on Request)
<b>Specific Gravity</b>	: > 0.8
<b>Switch &amp; Rating</b>	: SPST (NO/NC) 1A 230VAC (Others on request)
<b>Contacts</b>	: Rhodium Hermetically Sealed Reed Switch
<b>Function</b>	: Single Point actuation
<b>Accuracy</b>	: ±1 mm
<b>Differential</b>	: Less than 10 mm
<b>Design Temperature</b>	: -30 to +100°C
<b>Limit Stop</b>	: Prevents double activation of the Switches
<b>Process Connection</b>	: 1/4" BSPM, Plate flange & other sizes on request
<b>Installation</b>	: On tank wall internally
<b>Orientation</b>	: Float on top OR Float at bottom for NO & NC contacts resp.
<b>Cable Leads</b>	: 2 wire leads, 100 mm long

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