



# Float Switches

For Side and Top Mounting in Liquids

## Principle

There are two main types of float switch.

Fixed float switches are attached to the walls or top of your vessel and are activated when your liquid rises up above them. The float is lifted by the liquid, which activates a switch.

Suspended float switches hang down from the top of the tank. When the water rises, the switch is lifted on the surface and changes orientation - it's this change in orientation that triggers the switch.

## Advantages

- Works on most liquids - available in plastic for use with aggressive chemicals.
- Can be installed at the bottom, top or sides of vessels
- Simple and easy to maintain

## Disadvantages

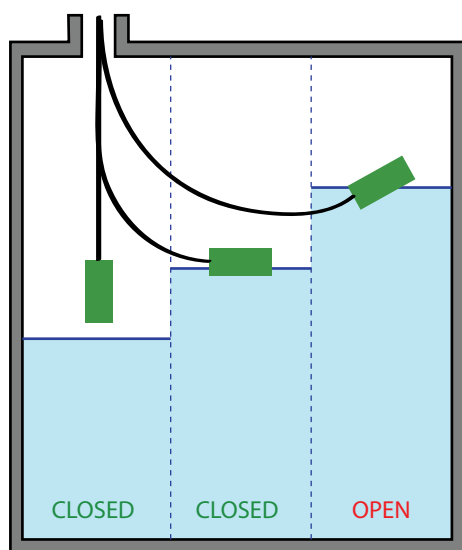
- Does not work with solids
- Fixed floats can be jammed if used on coating liquids such as paint, or liquids with suspended solids.



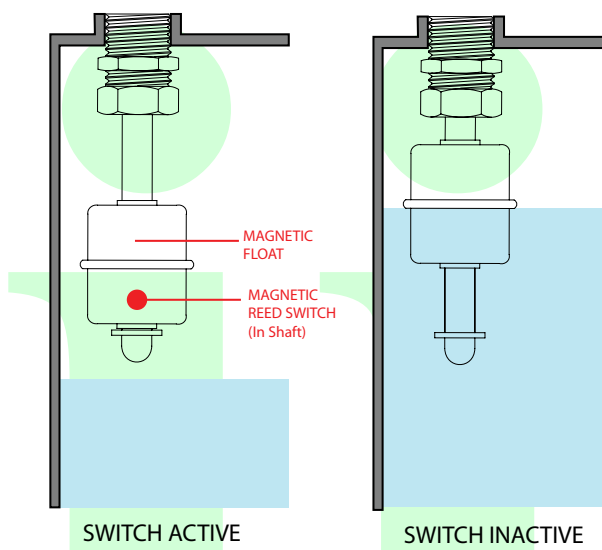
A TriMod-BESTA Side-Entry Float Level Switch

## Considerations

You should consider the specific gravity (SG) or density of your liquid when choosing a float - the less dense a liquid is, the lighter a float has to be. A float designed for water use may not work correctly on fuels or oils, which are significantly lighter.



A Suspended Float Switch as a High Alarm



Fixed, Top-Mounted Float Level Switches