Product Data Sheet
2021-2022

Level Float Switch

PEK651

Description

Level Float Switch is suitable for level switching of various liquids, sewage in shafts, tanks, basins or cisterns. PEK682 Side Mounted Level Switch is a float type level switch, which is suitable for the control of the liquid level in the open or pressure container in the industrial process. When the liquid level reaches the high and low limit, the electric shock relay can be used as a signal alarm device. It is a horizontal float level switch that uses the float to rise or fall with the liquid level to about 20 degrees with the horizontal level when the float is subjected to liquid buoyancy. Our side mounted float level switch can be used in water treatment, petrochemical, shipbuilding and other industries.

Features of Float Level Switch

• There are three specifications of ψ41, ψ50, ψ75 floats.

• Plastic materials are PP and PVDF, which can be used in acid and alkali places.

• SS304 / 316 material, suitable for high temperature or high-pressure barrel tank.

• Both side-mounted and top-mounted can be installed, the junction box protection level is IP-65.

• The connecting flange has 1-1/2, 2 “ NPT or customer specified specifications.

• Withstand pressure up to 50kg / cm², applicable specific gravity 0.25 ~ 0.65.

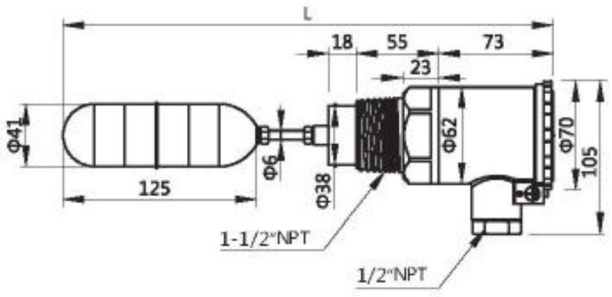
Specifications

Material	SUS304 and SUS316
Color	Any of color
Protection Grade	IP65
Float Material	SS304 / SS316L
Junction Box (Body)	SS304, SS316, Aluminum
Connection	2” NPT ; customized
Installation Method	horizontal installation
Application	water, sewage, oil etc.
Suitable Gravity	0.25 ~ 0.65 ,;customized
Electrical Connection	½” NPT or M20

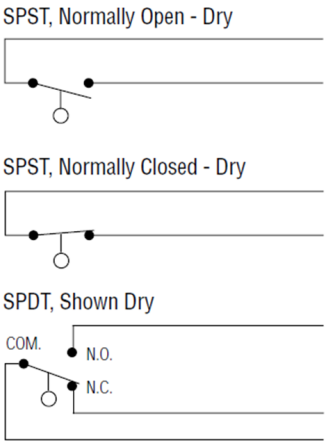
Working Principle of Side Mounted Float Level Switch

The side-mounted float level switch is based on the principle of liquid buoyancy. When the float moves up and down due to buoyancy, the reed switch in the junction box is affected by the magnet at the arm end, which is used as the “NC” and “NO” exchange. The same principle is applied to the micro-level switch device. The magnet in front of the micro switch and the arms end magnet repel each other and push the micro switch, causing “NC” and “NO” actions.

Dimensions



Typical Wiring Diagram:



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