

DISPLACER TYPE LEVEL SWITCH – DLS-30**DESCRIPTION**

Displacer Level Switch is based on buoyancy principle .It is used for controlling the liquid level in underground & overhead tanks.

OPERATION

Its operation is based upon simple buoyancy, whereby a spring is loaded with weighted displacers which are heavier than the liquid. Immersion of the displacers in the liquid results in buoyancy force change, changing the net force acting on the spring. The spring compresses as the buoyancy force increases.

A magnetic sleeve is connected to the spring and operates within a non-magnetic barrier tube. Spring movement causes the magnetic sleeve to move into the field of a pivoted magnet, actuating a switch mechanism located outside the barrier tube. Built-in limit stops prevent over stroking of the spring, under level surge conditions.

SPECIFICATION

Enclosure	Weatherproof /Cast Al. IP66 Flame Proof to Gr.IIA IIB
Mounting	Top
Max Length(below flange)	upto 15m
Process Connection	Flange
Wetted Part	SS/PP/PTFE
No. of Displacers	Single/ Multiple (Max.3)
Switch Type	Micro Switch
Switch Contacts	DPDT ,5A@230VAC
Conduit Connection	¾" ET or ½" NPT
Guided Wire Rope	SS/PP/PTFE/PVDF
Differential	30±5mm
Spring Housing	SS304 / SS316
Spring	SS304 / SS316
Min Specific Gravity	.5
Max Temperature	Upto 200 °C, others on request
Max Pressure	Up to 50 Kg/cm ²

FEATURES

Reliable & low cost
Wide Choice of Switching Functions
Potential Free Contacts
Site Adjustable Switch points
Available with External Chamber
Easy transportation of long range switch

APPLICATION

Water, waste water, diesel, oils, Chemicals, Milk , Lubrication /Filtration systems , paints-varnishes & heavy oil and foaming liquids.

