DLS 30

DISPLACER TYPE LEVEL SWITCH

ELECTRONET

Features

- Site adjustable upto 4 switching points
- Wide choice of material in SS304/316/316L, PP or PVDF
- Safe, reliable switching through magnetic coupling
- Robust, shockproof design ensures stable performance
- Wide differential switch design
- Radiation & seismically qualified

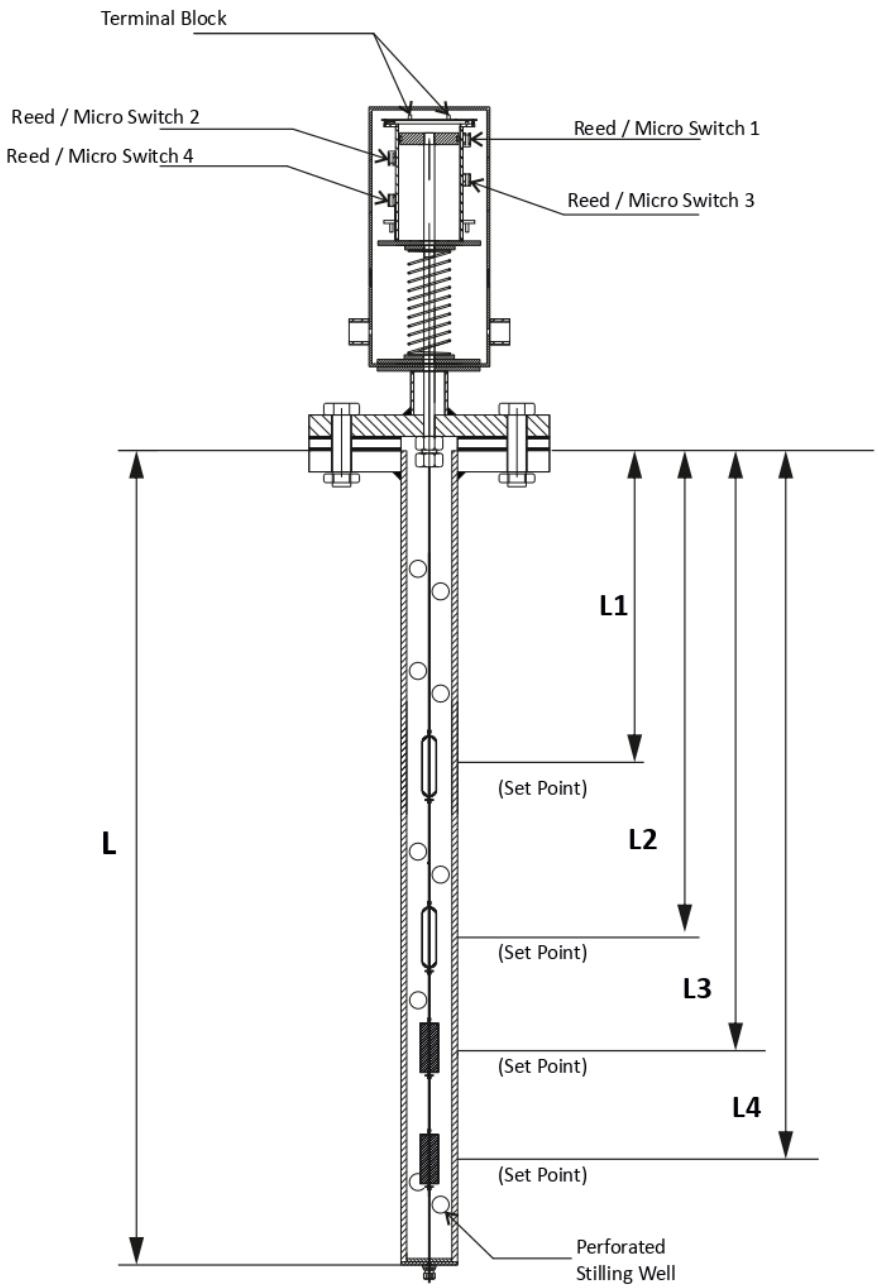
Description

A single / Two split displacers are suspended from a wire rope connected to a coupler rod, carrying an actuator moving within a non-magnetic barrier tube via a compression spring. Initially when the displacer is not immersed in liquid, the spring is in compressed condition due to weight of the displacer. During rising level, the displacer gets immersed in liquid, undergoes weight loss (Archimedes Principle) causing an upward motion of the coupler rod, which makes the spring assume its original status. Narrow differential (ND) is achieved by using one standard displacer and wide differential (WD) is achieved by using two split displacers. Narrow differential is fixed, however wide differential can be modified by varying the distance between split displacers.

Technical Specifications

Level Switch Type	Displacer Type, Top Mounted
Range	1000 mm to 10000 mm
Number of Switch Points	1) Single Point 2) Two Point 3) Three Point 4) Four Point
Type of Switch	1) Micro Switch 2) Hermetically Sealed Reed Switch
Switch Actuation Type	1) Falling Level 2) Raising Level
Switch Contact Type	1) Normally Close 2) Normally Open 3) Latch Type
Switch Configurations	1) SPDT 2) DPDT
Switch contact rating	1 Amp, 24 V DC Inductive
Switch actuation accuracy at set point	Better than or equal to +/-5mm
Repeatability of switch actuation	Better than or equal to +/-2mm
Contact Resistance	<100 milli Ohms
Response Time	< 2 Sec
Switch Contact Life	Better than 10^4 Operations
Switch Housing Material	1) Die cast aluminium 2) Stainless Steel
Switch Enclosure Ingress Protection	IP-65
Displacer Type	1) Signle 2) Split
Displacer Material	1) SS-304 2) SS-316 3) SS-304L 4)SS-316L 5) Other type on request
Rope Material	1) SS-304 2) SS-316 3) SS-304L 4)SS-316L 5) Other type on request
Spring Material	1) SS-304 2) SS-316 3) Inconel 4) Other type on request
Process Connection	Flanged
Maximum Operating Pressure	10 Kg/Cm^2(g)
Accessories (Optional)	1) Perforated Type Stilling Well 2) External Chamber
Accessories Material	1) MS 2) SS-304 3) SS-316 4) Other type of request

Assembly Overview



Ordering Information

Sample Order Code : DLS 30-A1-B1-C1-D1-E1-F1

Parameter		Code	Description
A	Measuring Range	A1	Upto 1000mm
		A2	Upto 2000mm
		A3	Upto 5000mm
		A4	Upto 10000mm
B	Power Supply	B1	24V DC
		BX	NA
C	Number of Set Point	C1	One
		C2	Two
		C3	Three
		C4	Four

Parameter		Code	Description
D	Number of Set Point	D1	Open Collector
		D2	Potential free relay output
		D3	PNP Output
		D4	Direct Reed Switch Output (Mx 100 mA Load)
E	Probe MOC	E1	SS-316
		EY	Other
F	Process Connection	F1	2" BSP Threaded (M)
		F2	2" SS-316 Flanged
		F3	4" SS-316 Flanged
		FY	Other

Note :
- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.

Registered Office:
Plot No. 84, 85, 86, Tiny Industrial Estate,
Kondhwa Budruk,
Pune-411 048, Maharashtra, India.

Factory Address:
Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC,
Khandala, Dist.- Satara
Pin: 412 801, Maharashtra, India.

+91-20-26931476
+ 91 99229 31722
+ 91 99224 42183

ho@electronet.co.in
enquiries@electronet.co.in

www.eeplindia.com