



LSDT

Level Switch Displacer Type

A suspended displacer from a flexible wire rope is connected to a coupler (magnetic system) moving within a seal pipe via a compression spring. The rising liquid level exerts a buoyant force on the coupler in proportion to displaced liquid (Archimedes Principle) which compresses the spring and moves the actuator within the field of the magnetic system to actuate the switch. During "falling level", the spring assumes its normal position to release the switch.

Features:

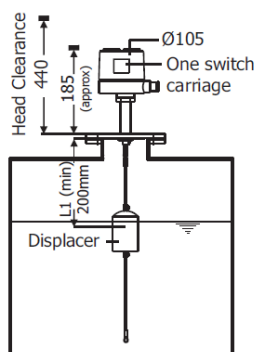
- Sturdy and versatile
- Easy installation
- Rugged construction
- Site Adjustable set points

Application:

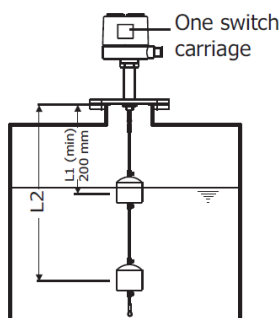
- Waste water & sewage
- Chemical processing system
- Pump control

Specification:

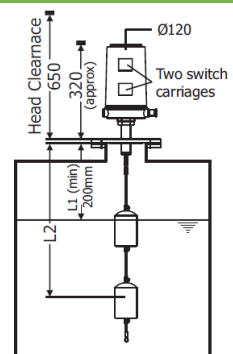
Enclosure	: W/P IP65 / Ex. Proof Gr IIA IIB / IIC / Din connector
MOC of wetted parts	: SS304 / SS316 / SS316L / Polypropylene
Process connection	: Flanged.
Conduit Connection	: 1/2" BSP / 1/2" NPT - DCCG
Construction	: Refer below images
Switching Differential	: 40 ± 5 mm
Range (Probe length)	: 200-15000mm.
No. of set point	: L1 / L2 / L3 / L4 / L5
Switch Rating	: 5 A / 250 VAC.
Load	: Resistive / Inductive
Insulation	: 100 Mega Ohms @ 500 VDC
Max. Operating temperature	: 100 °C.
Max. Pressure	: 10 Kg/cm2.
Min. Specific Gravity	: 0.8



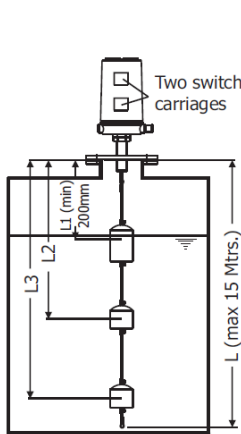
Type A
Single switching with fixed differential



Type B
Single switching with adjustable differential

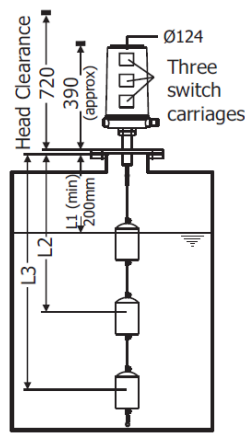


Type C
Dual switching with fixed differential



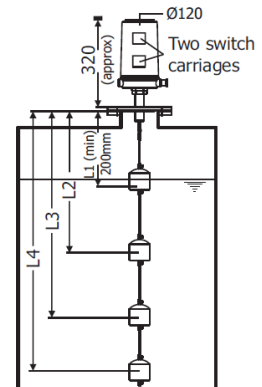
Type D

Dual switching, one no fixed differential, second no with adjustable differential



Type E

Triple switching with fixed differential



Type F

Dual switching with adjustable differential

Model code (Example)

How to order

LSDT

Enclosure

W

W: W/P IP65 **E:** Ex. Proof Gr. IIA IIB **X:** Ex. Proof Gr. IIC **D:** Din connector (Max. four wire connection)

MOC of wetted parts

X

S: SS 304 **X:** SS 316 **L:** SS316L **P:** Polypropylene **O:** other

Process connection: Select XYZ form Table mentioned below.

C0A

For other connection please mention in Bracket (e.g. write "[20 NB PN10]")

X	Y	SIZE	Z	CONNECTION
C	0	3"	A	150#
D	0	4"	B	300#

Table for Connection Size & Type.

Construction: (Refer above Shown Figures)

A

A: 1 X 1 (Type A) **B:** 2 X 1 (Type B) **C:** 2 X 2 (Type C)
D: 3 X 2 (Type D) **E:** 3 X 3 (Type E) **F:** 4 X 2 (Type F)

Conduit Connection:

S

B: ½" BSP-Conduit plug **S:** ½" NPTSCCG **D:** ½"NPT DCCG **O:** other

Range:

XXX

Specify in mm (e.g. write 500 for 500mm Range)

Set Point: Specify in mm (Refer above images)

L1=XX / L2=XX

L1: XX **L2:** XX **L3:** XX **L4:** XX

Option: Select multiple option e.g. "M / S"

S: Still Well **M:** Matching Flange **S:** SS Tag Plate **T:** Material Test Certificates

Model code Example. LSDT-W-X-C0A-A-S-XXX-L1=XX/L2=XX

Note:

- Set point measurement must be from top only.
- Model code mentioned in Example is our standard specification.
- For any other custom requirement please mention in bracket "[]".

Design & Specifications subject to change without Notice