

LCS 02

CONDUCTIVITY TYPE LEVEL TRANSMITTER



Features

- Switch output potential free Relay Contact
- Simple, Low Cost & Reliable
- Electronics Protection Class : Weatherproof IP 67
- Trouble free operation for conductive / non conductive Liquids, slurries

Description

Electronet series LCS 02 are conductivity type level switch. These level switches are generally used for level measurement of conductive liquids. The probe work through the variation of the electrical resistance between the reference electrode & level control electrode. Conductivity level switches detect the level resistance when their electrodes are covered by the medium. An electrically conductive tank wall can be used as the reference electrode. If tank is made of plastic, concrete or any other non conductive material, an additional electrode is required as a reference.



Technical Specifications

Type	1) Single Point Conductivity Type Level Switch		
	2) Two Point Conductivity Type Level Switch		
	3) Three Point Conductivity Type Level Switch		
	4) Four Point Conductivity Type Level Switch		
Probe Length	As per requirement (Rigid Type max 3000mm)		
Probe Dia	15 mm to 25 mm		
Process Temperature	120°C max		
Process Pressure	10 kg/cm ² max		
Probe MOC	SS316, SS316L		
Type of Sensing Electrode	Rigid Type, Flexible Type		
Electrode Insulation Material	PTFE		
MOC Electronics Enclosure	1) Die Cast Aluminium 2) SS304		
Seal / Gaskets	EPDM / PEEK		
Electrical Connection	DIN 43650 Connector		
Type of Output	Resistance Value		
Accuracy	+/- 5mm with respect to set point		
Repeatability	+/- 1mm with respect to set point		
Response Time	< 1 Sec.		
Switch Differential	Fixed +/- 10mm		
Probe Type	1) Single Rod 2) Coaxial		
Enclosure Protection Class	1) SS Enclosure : IP 65 or more as per IEC-60529		
	2) Aluminium Die Case Enclosure: Weather Proof IP-67		
Process Connection	1) 1" BSP (M)	2) 1½" BSP (M)	3) 2" PVC Flanged
	4) 2" SS316 Flanged	5) M20x1.5 (M)	6) M39 x 3 (M) 7) Other
Mounting	Tank Mounted / Mounted over open sumps		
Ambient Conditions	Temperature 0 to 75°C / Humidity 0 to 98% non condensing at 35°C		

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Assembly Overview

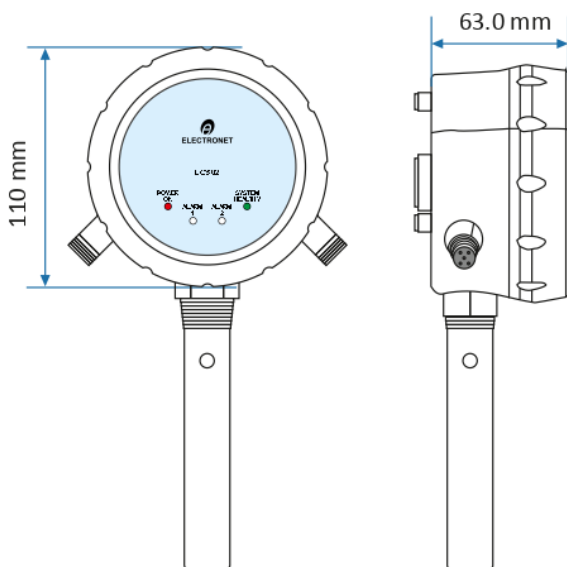


Fig. 1 Front View

Fig. 2 Side View

Connection Details

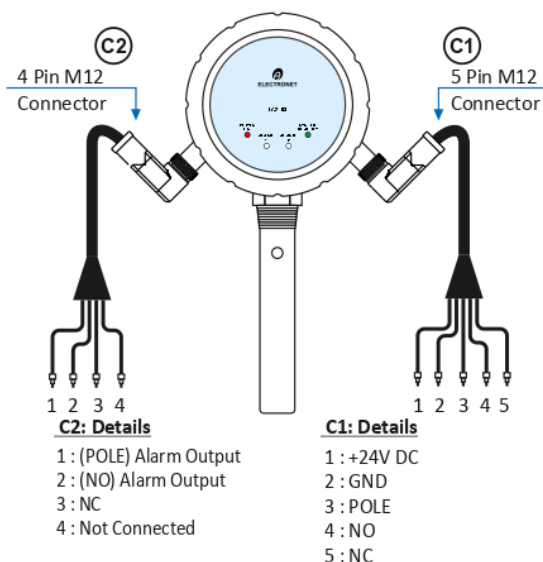


Fig. 3 Front View

Ordering Information

Sample Order Code : LCS 02-A1-B1-C1-D1-E1-F1

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

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.

Parameter	Code	Description
D	Alarm Output Type	D1 Open Collector
		D2 Potential free relay output
		D3 PNP Output
		D4 Direct Contact Output (Mx 100 mA Load)
E	Probe MOC	E1 SS-316
		EY Other
F	Process Connection	F1 1" BSP Threaded
		F2 2" BSP Threaded (M)
		F3 2 " SS-316 Flanged
		FY Other

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