

Features

- Ultrasonic Contact-Type Level Detection
- High Switching Accuracy (± 2 mm)
- Fast Response Time (< 0.5 sec)
- SS316L Sensor with IP-67 Protection
- Relay Output
- Suitable for Liquids & Oils with LED Status Indication

Description

Electronet series ULS 200S is a Contact Type Ultrasonic Level Switch specially designed to detect/sense the presence or absence of liquid in contact with sensor.

Based on the current from the sensor, convertor generates potential free contact output. The contact output is user configurable to detect presence or absence of the liquid.

The level switch is suitable for wide variety of Liquids & Oils.



Technical Specifications

Primary Sensor

Type	Ultrasonic Contact Type
Actuation Length / Switching level	As per requirement
Output Signal	Current Signal (8mA for normal conditions, 16mA for alarm)
Actuation time	Not more than 0.5 sec
Power Supply	24 VDC
Switching Accuracy	+/- 2mm
Probe MOC	SS-316L
Enclosure Class	IP-65 as per IEC-60529
Mounting Accessories	Provided

Secondary Convertor

Indication	LED Indication for
	1. Healthiness of Switch/failure indication
	2. Power supply on/off indication
Contact output	2 SPDT Relay output
Contact rating	220 V/5A
	24 V/1A
Power Supply	220 V AC, 50Hz
Power Consumption	Less than 15 VA
Insulation Resistance	$>100\text{M}\Omega$ for power supply terminals
Housing Material	SS-316
Enclosure Class	IP-65 as per IEC-60529
Gasket	EPDM / Neoprene or any other material suitable to meet the environmental condition requirements

ULS 200S

ULTRASONIC LEVEL SWITCH



Assembly Overview

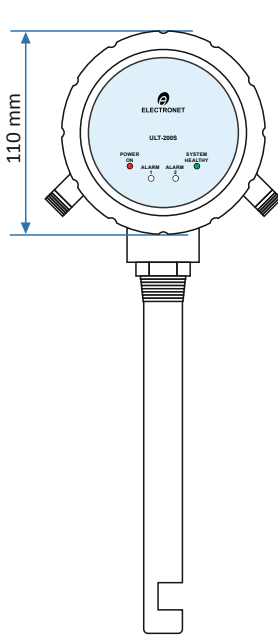


Fig. 1 Front View

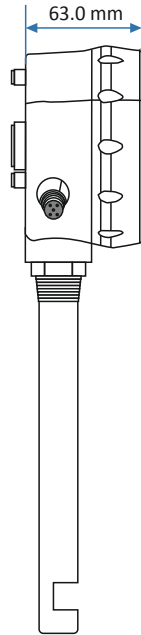


Fig. 2 Side View

Connection Details

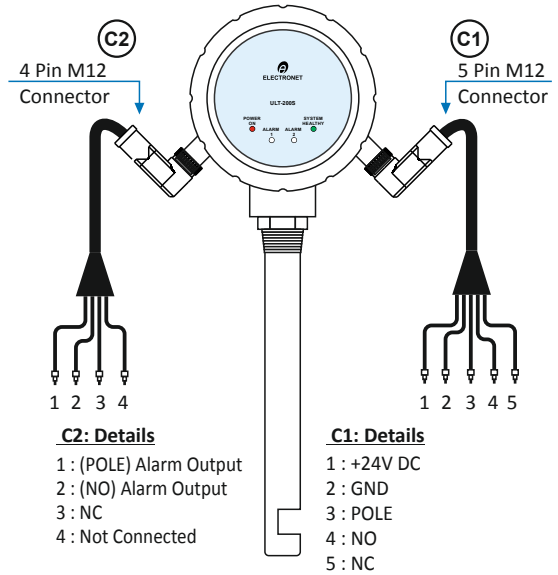


Fig. 3 Front View

Ordering Information

Sample Order Code : ULT 200S-A1-B1-C1

Parameter		Code	Description	Parameter		Code	Description
A	Measuring Range	A1	Upto 100mm	C	Process Connection	C1	1" BSP Threaded
		A2	Upto 1000mm			C2	1½" BSP (M)
		A3	Upto 2000mm			C3	2" BSP Threaded (M)
B	Alarm Output Type	B1	Open Collector			C4	2 " SS-316 Flanged
		B2	Potential free relay output			CY	Other
		B3	PNP Output				

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.



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