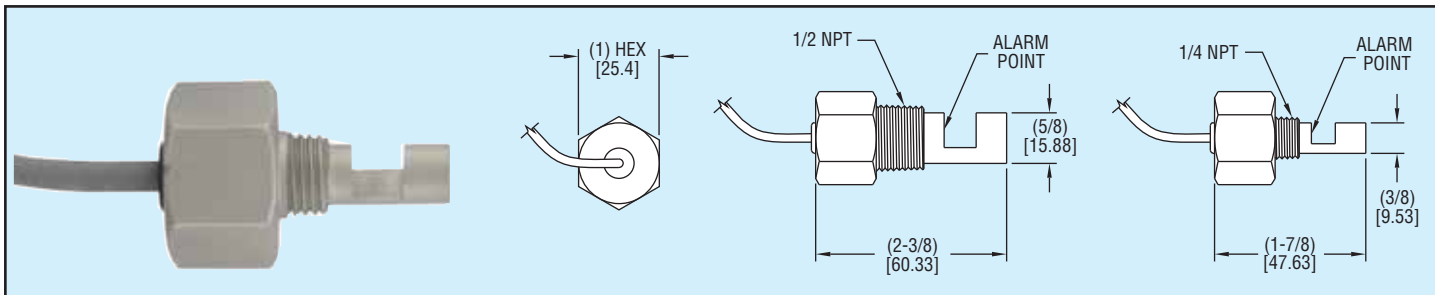




Series
MULS

Miniature Ultrasonic Level Switch

No Mechanical or Moving Parts



The Series MULS Miniature Ultrasonic Level Switch measures liquid at a single point providing an output for high or low level alarm, overflow prevention, or pump protection. The Series MULS uses ultrasonic wave propagation between the transducer gap to sense the presence or absence of a liquid. Units can be mounted within 15° of horizontal with no additional calibration required. The switches include a 0.5 second delay and have repeatability of less than .08 in. (2 mm). The Series MULS can be used to monitor and control levels of water, chemicals lubricants, acids, or beverages in vessels, storage bins, or tanks.

Model Number	Connection Size
MULS-SN-A	1/4"
MULS-SN-B	1/2"

SPECIFICATIONS

Service: Compatible liquids (non-coating, low viscosity).
Wetted Material: 316L SS.
Temperature Limits: -20 to 176°F (-29 to 80°C).
Pressure Limits: 250 psig (17.24 bar).
Enclosure Rating: General purpose.
Repeatability: ≤ .08" (2 mm).
Switch Type: SPST normally open dry relay, NPN transistor sink, or PNP transistor source.

Electrical Rating: Relay: 1A @ 5-30 VDC, source & sink: 100mA.
Electrical Connections: 12" (304.8 mm) 5 conductor cable, 24 AWG wire.
Leakage Current: Less than 50µA, sinking and sourcing.
Power Requirements: 5-30 VDC.
Process Connection: 1/4" or 1/2" Male NPT.
Mounting Orientation: Within 15° of horizontal.
Delay: 0.5 seconds.
Agency Approvals: CE pending.