

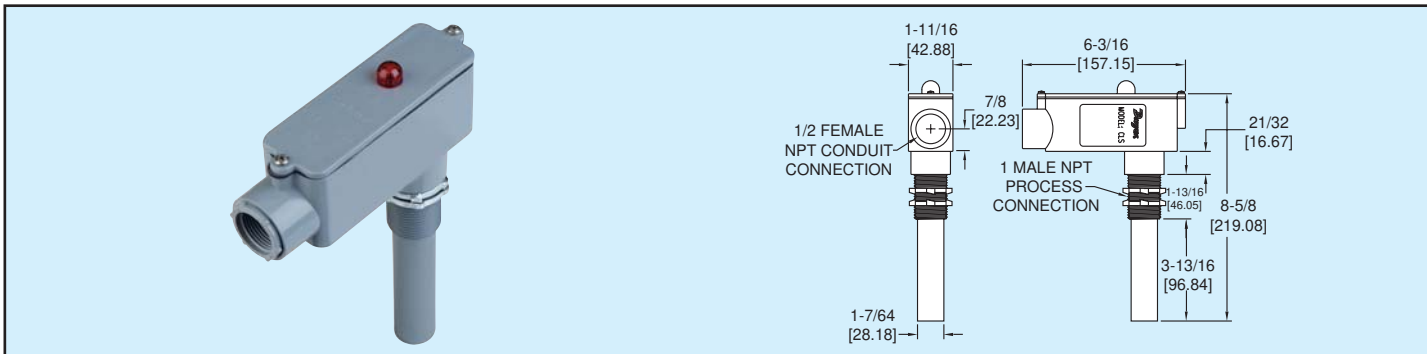


Model
CLS

Capacitance Level Switch

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For Solids, Liquids or Slurries, Fail-Safe Protection, <1 pF Sensitivity



Model CLS Capacitance Level Switch provides reliable point level measurement of solids, liquids and slurries in metallic or non-metallic tanks and vessels. Model CLS detects the presence or absence of material in contact with the probe by sensing a change in the capacitance. Electronics provide highly sensitive measurement detection (requires less than a 1 picofarad shift from ambient). State of the art technology ignores material build-up on the vessel sidewall or along the probe assembly. One time calibration is simple with a single multi-turn potentiometer. Red LED on housing indicates sensor status. Unit features an adjustable 1-30 second time delay and a 5 amp, SPDT fail-safe relay output. Model CLS can be mounted vertically or horizontally.

SPECIFICATIONS

Service: Solids, liquids, or slurries.

Wetted Material: CPVC.

Temperature Limits: Probe: -40 to 240°F (-40 to 116°C), Electronics: -40 to 185°F (-40 to 85°C).

Enclosure Rating: NEMA 4X (IP56), PVC, dust tight, water resistant.

Switch Type: SPDT.

Electrical Rating: 5A @ 250 VAC.

Power Requirements: 120

Conduit Connection: 1/2" female NPT.

Process Connection: 1/2" male NPT.

Mounting Orientation: Vertical or horizontal.

Sensitivity: Adjustable to <1 pF.

Fail-Safe: Switch Selectable, high/Low.

Time Delay: Adjustable 1 to 30 seconds.

Weight: 2.0 lb (0.91 kg).

Agency Approvals: CE.

Level

STOCKED MODEL

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APPLICATIONS

High or low level detection in bins, silos, tanks, hoppers, chutes and other vessels where liquids, solids or slurries are stored.