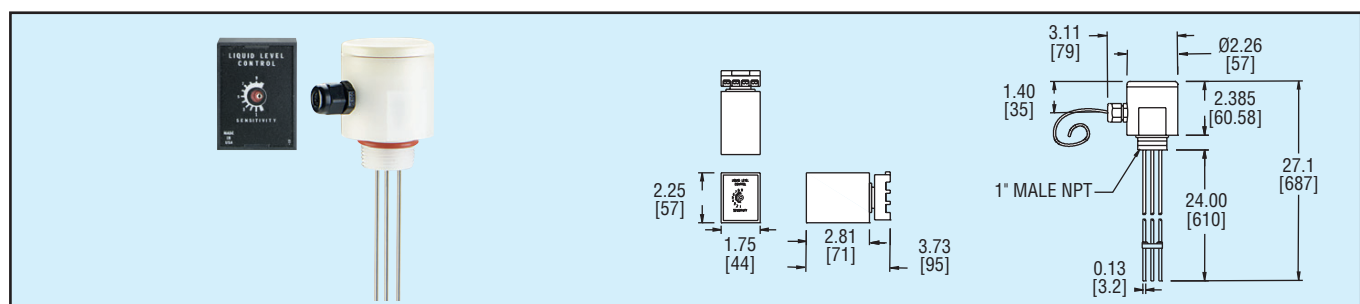




Model
DPL110

Dual Point Level Switch

Tank High/Low Control, Conductivity Technology, Up to 72" Probes



Maintain liquid level high and low limits with the Model DPL Dual Point Level Switch. Units can be used for single or dual point level control in semi-solid liquids, industrial slurries or heavy-bodied liquids like wastewater. Standard 24 inch electrodes can be cut by the end-user to a shorter length or lengthened by adding up to two 24 inch extensions (sold separately) to reach the maximum recommended length of 72 inches. Model DPL contains no moving parts to get stuck or wear out. Controller features adjustable sensitivity and DIN rail-mountable socket mount.

PHYSICAL DATA

- Electrodes:** 1/8" dia, 24" (609.6 mm) length, standard.
- Wetted Parts:** 316 Stainless Steel, polypropylene.
- Mounting, Sensor Head:** 1" male NPT.
- Maximum Pressure:** 30 psig (2.06 bar).
- Maximum Operating Temperature:** 212°F (100°C).
- Probe Enclosure:** NEMA 6 (IP67).
- Maximum Probe Length:** 72" (1.8 m) with optional extensions.
- Connecting Cable, Probe to Controller:** 10 ft (3.0 m).
- Sensing Voltage:** 12 VAC.
- Power Supply:** 120 VAC 50/60 Hz.
- Output:** SPDT, 5 Amps @ 240 VAC.
- Mounting, Controller:** Standard octal socket or 35mm DIN rail.
- Weight, Probe Assembly:** 1.5 lbs (0.68 kg).
- Weight, Controller:** 1.0 lb (0.45 kg).

Level

STOCKED MODEL

Model DPL110 Dual Point Level Switch

ACCESSORIES

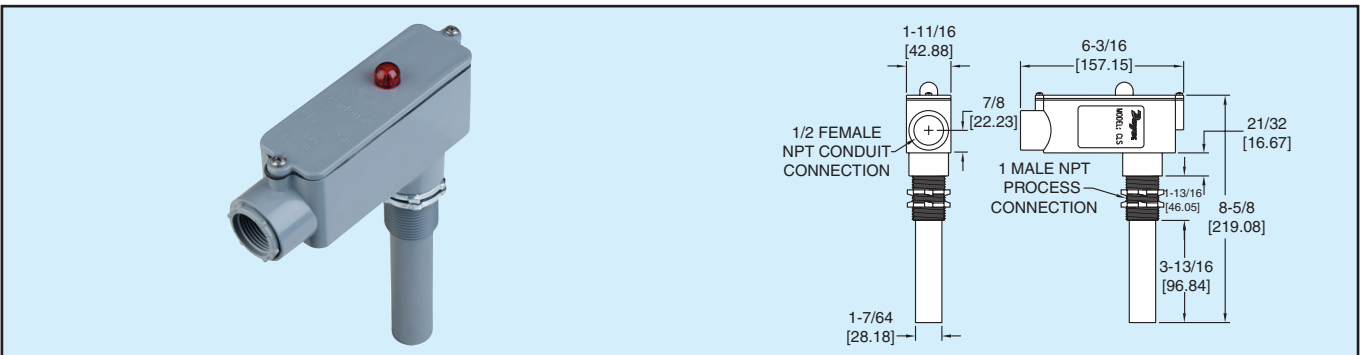
Model DPL5 Electrode Extensions includes two 24" (610 mm) electrode extensions and mounting hardware



Model
CLS1

Capacitance Level Switch

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.

PHYSICAL DATA

- Sensitivity:** Adjustable to <1 pF.
- Fail-Safe:** Switch Selectable, High/Low.
- Time Delay:** Adjustable 1 to 30 seconds.
- Supply Voltage:** 120 VAC, 1.5VA.
- Output Relay:** SPDT, 5 amp @ 250 VAC.
- Probe Material:** CPVC.

- Enclosure:** NEMA 4X (IP56), Dust Tight, Water Resistant.
- Enclosure Material:** PVC.
- Mounting:** 1" male NPT.
- Conduit Opening:** 1/2" female NPT.
- Temperature Range:** Probe: -40 to 240°F (-40 to 116°C), Electronics: -40 to 185°F (-40 to 85°C).
- Weight:** 2.0 lbs (0.91 kg).

STOCKED MODEL

Model CLS1 Capacitance Level Switch

APPLICATIONS

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