**Model DPL110, Dual Point Level Switch**

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

**Electrodes:** 1/8˝ dia, 24˝ (609.6 mm) L, standard.

**Wetted Materials:** 316 SS, polypropylene.

**Mounting, Sensor Head:** 1˝ male NPT.

**Pressure Limits:** 30 psig (2.06 bar).

**Temperature Limits:** 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´ (3.0 m).

**Sensing Voltage:** 12 VAC.

**Power Supply:** 120 VAC 50/60 Hz.

**Output:** SPDT, 5 A @ 240 VAC.

**Mounting, Controller:** Standard octal socket or 35 mm DIN rail.

**Weight, Probe Assembly:** 1.5 lb (0.68 kg).

**Weight, Controller:** 1.0 lb (0.45 kg).

**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” extensions (sold separately) to reach the max recommended length of 72”. Model DPL contains no moving parts to get stuck or wear out. Controller features adjustable sensitivity and DIN rail-mountable socket mount.**

**ACCESSORY**

Model DPL5, Electrode Extensions includes three 24” (610 mm) electrode extensions and mounting hardware

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**Model CLS1, Capacitance Level Switch**

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

**Model CLS1 Capacitance Level Switch** provides reliable point level measurement of solids, liquids and slurries in metallic or non-metallic tanks and vessels. Model CLS1 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 to 30 second time delay and a 5 amp, SPDT fail-safe relay output. Model CLS1 can be mounted vertically or horizontally.

**APPLICATIONS**

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

**SPECIFICATIONS**

**Service:** Solids, liquids, or slurries.

**Wetted Material:** CPVC.

**Temperature Limits:** Process: -40 to 240°F (-40 to 116°C); Ambient: -40 to 185°F (-40 to 85°C).

**Enclosure Rating:** NEMA 4X (IP66), PVC, dust tight, water resistant.

**Switch Type:** SPDT.

**Electrical Rating:** 5A @ 250 VAC.

**Power Requirements:** 120 VAC, 1.5VA.

**Process Connection:** 3/4˝ female 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).

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**Model DPL110, Dual Point Level Switch**

**ACCESSORY**

Model DPL5, Electrode Extensions includes three 24” (610 mm) electrode extensions and mounting hardware

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**Model CLS1, Capacitance Level Switch**

**SPECIFICATIONS**

**Service:** Solids, liquids, or slurries.

**Wetted Material:** CPVC.

**Temperature Limits:** Process: -40 to 240°F (-40 to 116°C); Ambient: -40 to 185°F (-40 to 85°C).

**Enclosure Rating:** NEMA 4X (IP66), PVC, dust tight, water resistant.

**Switch Type:** SPDT.

**Electrical Rating:** 5A @ 250 VAC.

**Power Requirements:** 120 VAC, 1.5VA.

**Process Connection:** 3/4˝ female 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).