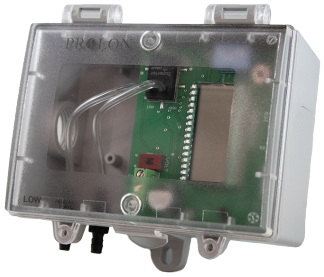
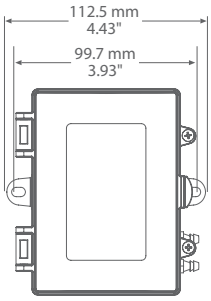
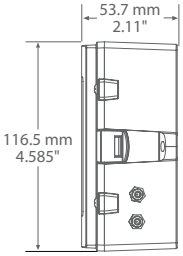
Low Pressure Transmitter — PL-LPT-LCD







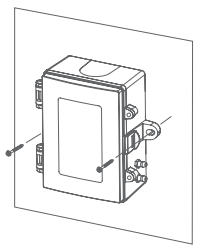
Product Description

The PL-LPT-LCD is used to measure positive, negative or differential pressure. The piezoresistive sensor is ideal for monitoring the pressure of air or other clean inert gas. Typical HVAC applications include monitoring of filter differential pressure, duct static pressure, or building pressure. A separate duct static probe is included for proper static pressure measurement. A hinged and gasketed polycarbonate enclosure is provided for electrical connections and ease of installation.

Typical Installation

The PL-LPT-LCD mounts on any surface using the two holes provided on the base of the unit. Make sure there is enough space around the unit to connect the pressure tubing without kinking and avoid locations where severe vibrations or excessive moisture are present.

The enclosure provides mounting tabs for ease of installation.



Technical Specifications

ACCURACY	±1% F.S. of selected range (minimum range is ±1.5% F.S.) @ 22°C (72°F) including hysteresis, non-linearity and repeatability
SELECTABLE RANGES	±4" (±1,000 Pa), ±2" (±500 Pa), ±1" (±250 Pa), 0-4" (0-1,000 Pa), 0-2" (0-500 Pa), 0- 1" WC (0-250 Pa)
SENSOR TYPE	Piezoresistive differential pressure
MEASUREMENT TYPE	Differential (two port), Static, Velocity, & Total Pressure
RESPONSE TIME	250 ms
STABILITY	<±0.5% F.S./year typical
THERMAL EFFECTS	<±3% over compensated range
COMPENSATED RANGE	32 to 140°F (0 to 60°C)
PROOF PRESSURE	40" W.C.
BURST PRESSURE	120" W.C.
OPERATING CONDITIONS	32 to 140°F (0 to 60°C), 5 to 95 %RH, non-condensing
POWER SUPPLY	20 to 28 Vac/dc (non-isolated half-wave rectified)
SUPPLY CURRENT	**Current**: 20 mA maximum **Voltage**: 4 mA minimum
INPUT VOLTAGE EFFECT	Negligible over operating range
PROTECTION CIRCUITRY	Reverse voltage protected and output limited
OUTPUT SIGNAL	4-20 mA (2-wire), 0-5 or 0-10 Vdc (3-wire), switch selectable
OUTPUT DRIVE CAPABILITIES @ 24 VDC	**Current**: 400 Ω maximum **Voltage**: 10,000 Ω minimum
ZERO ADJUSTMENTS	Pushbutton auto-zero
MAX LOOP CURRENT	20 mA
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)
PRESSURE CONNECTION	0.25" (6.35 mm) Nylon barb fitting for 0.125" (3.175 mm) to 0.1875" (4.762 mm), ID tubing
CONDUIT CONNECTION	1/2" NPT conduit or cable gland
DISPLAY	31/2 digit LCD, 0.4" digit height
ENCLOSURE	Grey Polycarbonate UL94-V0, IP65 (NEMA 4X) with thread adapter (1/2" NPT to M16) and cable gland fitting
APPROVALS	CE, RoHS
COUNTRY OF ORIGIN	Canada

802-00035-002

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