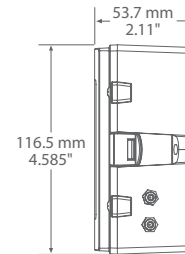
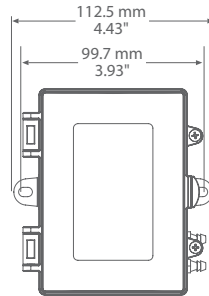
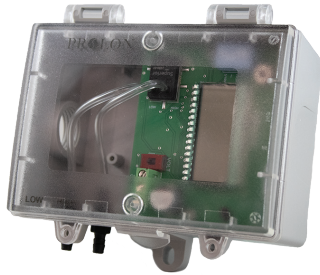


## PL-LPT-LCD – Low Pressure Transmitter



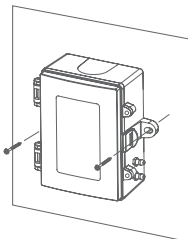
### Product Description

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

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

