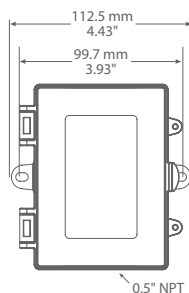


LOW PRESSURE TRANSMITTER



ELP-X SERIES

PRODUCT DESCRIPTION

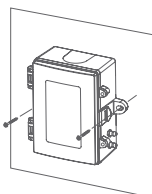
The Low Pressure Transmitter series is used to measure positive, negative or differential pressure. The piezoresistive sensor is ideal for monitoring the pressure of air or other clean inert gas. Typical HVAC applications include monitoring of filter differential pressure or VAV applications. A weatherproof polycarbonate enclosure is provided for electrical connections and ease of installation.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

The ELP 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.



SPECIFICATIONS

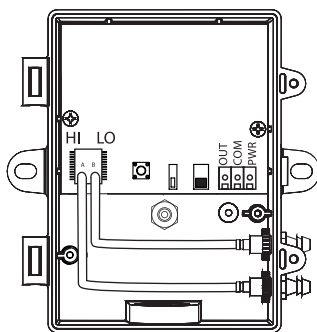
ACCURACY	±1% F.S.O.
MEASUREMENT TYPE	Differential (single port), Static, Velocity, & Total Pressure
RESPONSE TIME	250 ms
STABILITY	<±1% F.S.O. per year
THERMAL EFFECTS	<±3% over compensated range
COMPENSATED RANGE	0° to 50°C (32° to 122°F)
PROOF PRESSURE	40" W.C.
BURST PRESSURE	120" W.C.
OPERATING CONDITIONS	0 to 50°C (32 to 122°F), 5 to 95 %RH, non-condensing
POWER SUPPLY	20 to 28 Vac/dc (non-isolated half-wave rectified)
SUPPLY CURRENT	Current: 20 mA max Voltage: <4 mA
INPUT VOLTAGE EFFECT	Negligible over specified operating range
PROTECTION CIRCUITRY	Reverse voltage protected and output limited
OUTPUT SIGNAL	4-20 mA (2-wire), 0-10 Vdc (3-wire), field selectable
OUTPUT DRIVE CAPABILITIES	Current: 400 Ω max @ 24 Vdc Voltage: 10K Ω min
ZERO ADJUSTMENTS	Pushbutton auto-zero
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)
PRESSURE CONNECTION	Barbed ports for 5 mm (0.170" ID) flexible tubing
CONDUIT CONNECTION	1/2" NPT conduit or cable gland
ENCLOSURE	Grey Polycarbonate UL-94-V0, IP65 (NEMA 4X)
APPROVALS	CE, ROHS
COUNTRY OF ORIGIN	Canada

NOTE: The manufacturer reserves the right to make design modifications without prior notice.

ORDERING

ELPB2500PX

PCB CONFIGURATIONS



ELP-X

TERMINAL

OUT
COM
PWR

FUNCTION

Analog Output
Common
Power Supply

RoHS
COMPLIANT



