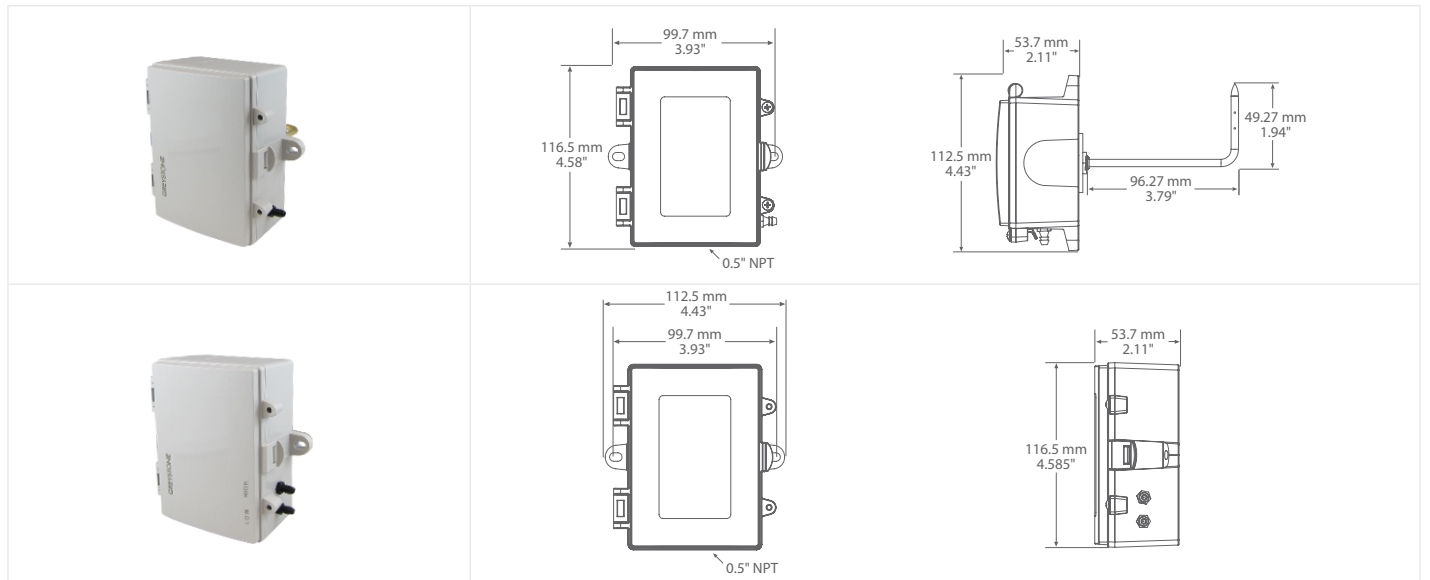




LOW PRESSURE TRANSMITTER



ELP SERIES

PRODUCT DESCRIPTION

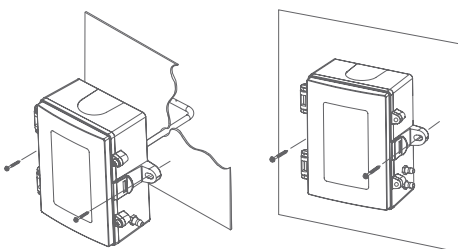
The Low Pressure Transmitter series is used to measure positive, negative or differential pressure. The piezoresistive sensor is ideal for monitoring the pressure of air or other clean inert gas. Typical HVAC applications include monitoring of filter differential pressure or VAV applications. An integrated static pressure probe provides ease of installation for duct mounting. Several accessories are available. 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	-25 to 85°C (-13 to 185°F)
PROOF PRESSURE	100" W.C. (200" for 5", 10" & 20" Models)
BURST PRESSURE	300" W.C. (500" for 20" Models)
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

ACCESSORIES - INCLUDED WITH F ENCLOSURE OPTION

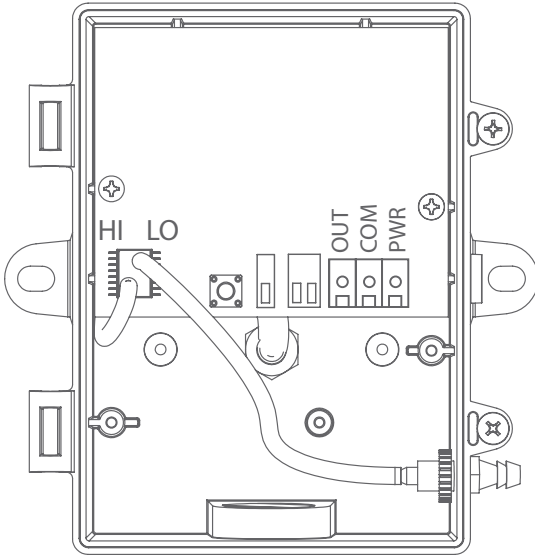


CABLE GLAND FITTING

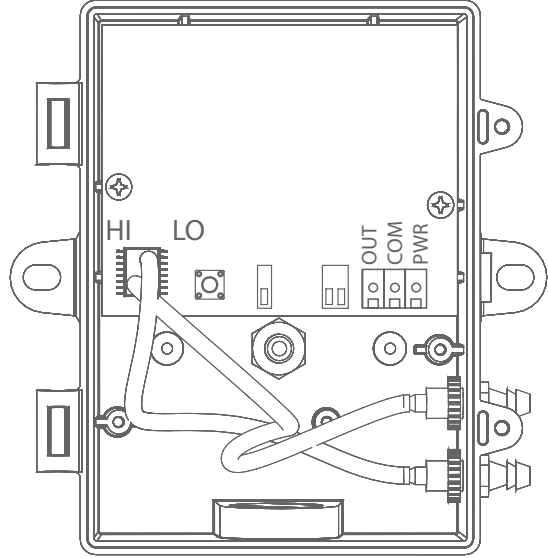
THREAD ADAPTER 1/2" NPT TO M16



PCB CONFIGURATIONS



ELP-S



ELP-X

ORDERING

PRODUCT	ELP	Low Pressure Transmitter
ENCLOSURE	B F	Polycarbonate with hinged and gasketed cover Same as B, with thread adapter (1/2" NPT to M16) & cable gland fitting
RANGE	0001W 0002W 0005W 0010W 0020W 0250P 0500P 1250P 2500P 5000P	±1" / 0-1 "WC ±2" / 0-2 "WC ±5" / 0-5 "WC ±10" / 0-10 "WC ±20" / 0-20 "WC ±250 / 0-250 Pa ±500 / 0-500 Pa ±1250 / 0-1250 Pa ±2500 / 0-2500 Pa ±5000 / 0-5000 Pa
PROBE	X S	No Probe Static Probe

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

PART NUMBER

ELP