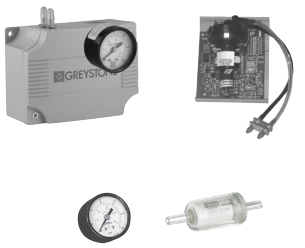
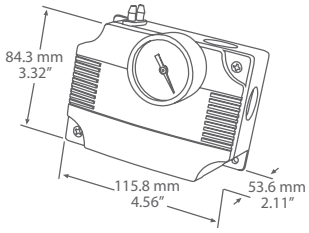
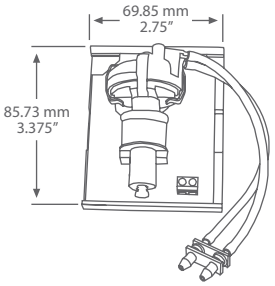
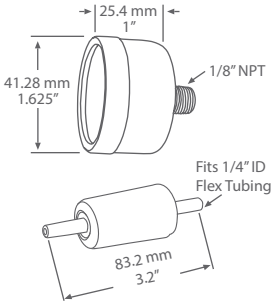
GREYSTONE ENERGY SYSTEMS INC

ELECTRONIC TO PNEUMATIC TRANSDUCER









ETP SERIES

PRODUCT DESCRIPTION

The ETP-9500 series transducers convert an electrical input signal to a pneumatic output signal to position pneumatic damper and valve actuators in HVAC systems. The ETP-9520 accepts an industry standard 4-20 mA current input signal and produces a proportional 21 to 103 kPa (3 to 15 PSIG) pneumatic output. The ETP-9500 offers more flexibility as it is field selectable to accept either a 4-20 mA or a 0 to 10 Vdc input signal to control the 21 to 103 kPa (3 to15 PSIG) pneumatic output.

The ETP-9520 is powered by the process loop signal and requires no power supply. The ETP-9500 is also loop powered in the 4-20 mA configuration and will accept a wide range of AC or DC power supply voltages in the 0 to 10 Vdc mode.

ACCESSORIES

- Pressure gage (not mounted) PG-100-30 PSIG
- Pneumatic air filter (not mounted) K-335, 0.01 micron

SPECIFICATIONS

INPUT SIGNAL	**ETP-9500:** 4-20 mA or 0 to 10 Vdc, jumper selectable **ETP-9510:** 2 to 10 Vdc, 2 wire **ETP-9520:** 4-20 mA, 2 wire
INPUT IMPEDANCE	4-20 mA input, 400 Ω minimum, 550 Ω maximum 0 to 10 Vdc input, >100 KΩ
POWER SUPPLY	4-20 mA input, loop powered, 2 to 10 Vdc, 24 to 30 Vac/dc, 1.0 watt max.
AIR SUPPLY	138 kPa (20 PSIG) nominal, 207 kPa (30 PSIG) maximum, clean, dry, oil-free air required
AIR CONSUMPTION	5.66 ml/s (0.012 SCFM) @ 138 kPa (20 PSIG) supply, maximum
OUTPUT AIR CAPACITY	141 ml/s (515 SCIM) maximum @ 138 kPa (20 PSIG) supply
MAX/MIN SPAN	97 kPa (14 PSIG) / 55 kPa (8 PSIG)
LOWEST/HIGHEST OFFSET	7 kPa (1 PSIG) / 41 kPa (6 PSIG)
AIR CONNECTIONS	Males barbed fittings for flexible 1/4" OD pneumatic tubing
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)
OUTPUT SIGNAL	21 to 103 kPa (3 to 15 PSIG) nominal, direct acting
LINEARITY	±1% of span
HYSTERESIS	±1% of span
ADJUSTMENTS	Zero and span potentiometers
OPERATING CONDITIONS	0 to 60°C (32 to 140°F) 5 to 95 %RH non-condensing
DIMENSIONS	83mm x 70mm x 50mm (3.25" x 2.75" x 2") **E Option:** 116mm x 84mm x 54mm (4.56" x 3.32" x 2.11")
COUNTRY OF ORIGIN	Canada

ORDERING

PRODUCT	**ETP**	Electronic to pneumatic transducer
INPUT SIGNAL	**9500** **9510** **9520**	Field selectable 4-20 mA or 0-10 Vdc 2-10 Vdc, loop-powered 4-20 mA, loop-powered
OPTIONS	**-** **-E** **-EG**	Snap track mounted (leave blank) Enclosure Enclosure c/w 0 - 30 PSI Gage

PART NUMBER

ETP

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

RoHS COMPLIANT

Greystone Energy Systems, Inc.
150 English Drive, Moncton,
New Brunswick, Canada E1E 4G7

Ph: +1 (506) 853-3057 Fax: +1 (506) 853-6014
North America: 1-800-561-5611
E-mail: mail@greystoneenergy.com

Copyright © Greystone Energy Systems Inc. All Rights Reserved