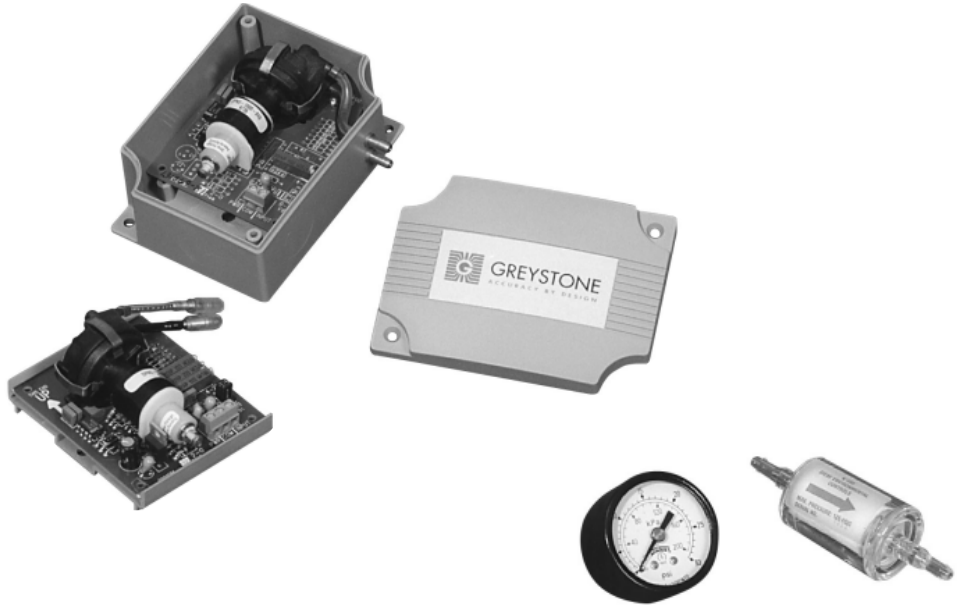


GREYSTONE
ACCURACY BY DESIGN



ELECTRONIC TO PNEUMATIC TRANSDUCER ETP-9500 Series



Field selectable for either 4-20mA or 0-10Vdc. Pulse width input optional.

FEATURES:

- Direct connection to PCs for pneumatic control
- Two-wire loop powered or three-wire voltage modes
- Easily accessible wiring terminal blocks
- Quick panel mounting with supplied snap-track
- High accuracy with low hysteresis
- Driftless operation with high repeatability
- AC/DC operation

***Peace of mind
through reliable
pneumatic transducers***

GREYSTONE IS AN **ISO 9000** REGISTERED COMPANY

APPLICATIONS:

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

The ETP-9520-PW accepts a field selectable pulse width signal to control the 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 – 20mA configuration and will accept a wide range of AC or DC power supply voltages in the 0 – 10VDC mode. The ETP-9520-PW requires a 24 VDC or 22 to 28 VAC power supply.

SPECIFICATIONS: ETP-9500 / 9510 / 9520

Input Signal	ETP-9500, 4 – 20mA or 0 – 10 VDC, jumper selectable ETP-9510, 2 – 10 VDC, 2-wire ETP-9520, 4 – 20mA, 2-wire
Input Impedance	4 – 20mA input, 400Ω minimum, 550 Ω maximum
Power Supply	4 – 20mA input, Loop powered 0 – 10 VDC input, 24 – 30 VAC/DC, 1.0 Watt maximum
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
Air Connections	Male barbed fittings for flexible 1/4" OD pneumatic tubing
Wiring Connections	Screw terminals for 14 – 22 AWG wire
Output Signal	21 – 103 kPa (3 – 15 psig) nominal, direct acting
Linearity	±1% of span
Hysteresis	±1% of span
Adjustments	Zero and span potentiometers
Operating Temperature	0°C – 60°C (32°F – 140°F)
Operating Humidity	5 – 95% RH, non-condensing
Dimensions H x W x D	83 mm x 70 mm x 50 mm (3.25" x 2.75" x 2")

SPECIFICATIONS: ETP-9520-PW

Power Supply	Regulated 24 VDC min, 35 VDC max; Regulated 22 to 28 VAC
Input	Dry contact to common, 5 to 24 VDC, or 24 VAC ±10%
Time between pulses	1 millisecond min.
Pulse duration	0.02 to 5 sec.; 0.59 to 2.93 sec.; 0.1 to 10 sec.; 0.1 to 25.5 sec.
Accuracy	±3% of span for all ranges
Dimensions H x L x D	83 mm x 165 mm x 50 mm (3.25" x 7" x 2")

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

OPTIONS:

- Pressure gauge (not mounted) PG-100-30, -0–30psig
- Pneumatic air filter (not mounted) K-335, 0.5 micron
- Enclosure NEMA-1 – ETP95XX-E (not available for ETP-9520-PW)



Greystone Energy Systems Inc., established in 1983, is Canada's largest manufacturer of HVAC sensors and transducers for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9002 certified, assuring our customers of consistent product reliability.



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