TRANSDUCER ETP Series





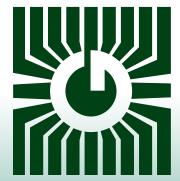




Precision pneumatic control

FEATURES:

- Direct connection to PCs for pneumatic control
- Two-wire loop powered or three-wire voltage models
- 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 HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

PRINTED IN CANADA

APPLICATIONS:

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 - 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 - 10 VDC 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, 4-20 mA or 0-10 Vdc, jumper selectable ETP-9510, 2-10 Vdc, 2 wire ETP-9520, 4-20mA, 2 wire ETP-9500-PW, Dry contact to common, 5 to 24 Vdc, or 24 Vac ± 10%	Air Connections	Male barbed fittings for flexible 1/4" OD pneumatic tubing
Input Impedance	4-20 mA input, 400 Ω minimum, 550 Ω maximum 0-10 Vdc input, >100 K Ω	Wiring Connections	Screw terminals for 14-22 AWG wire
PWM Input Signal	Time between pulses: 1 millisecond min, Pulse Duration: .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	Output Signal	21 - 103 IPa (3 - 15 psig) nominal, direct acting
Power Supply	4-20 mA input, Loop powered 0-10 Vdc input, 24-30 Vac.Vdc, 1.0 watt max. ETP-9500-PW - Regulated 24 Vdc min, 35 Vdc max, Regulated 22-28 Vac 138 kPa (20 psig) nominal, 207 kPa (30 psig) maximum. Clean, dry, oil-free air required 5.66 ml/s (0.012 scfm) @ 138 kPa (20 psig) supply, maximum	Linearity	±1% of span ±1% of span Zero and span potentiometers
Air Supply		Hysteresis	
Air Consumption		Adjustments	
Output Air Capactity	141 ml/s (515 scim) maximum @ 138 kPa (20 psig) supply	Operating Temperature	0°C - 60°C (32°F - 140°F)
MaximumSpan/ Minimum Span	97 kPa (14 psig) / 55kPa (8 psig)	Operating Humidity	5 - 95% RH, non-condensing
Lowest Offset/Highest Offset	7 kPa (1 psig) / 41 kPa (6 psig)	Dimensions H x W x D	83 x 70 x 50 mm (3.25 x 2.75 x 2") PW Option: 83x165x50 mm (3.25x7x2")

PRODUCT ORDERING INFORMATION:

9510

9510

ETP

MOE	DEL	Product Description			
ET	TP Pneumatic transducer				
		CODE Input Signal			

L	9520	4 - 20 mA, loop-powered		
		CODE	Options	
		E EG	Enclosure (Not available with PW option) Enclosure c/w 0 to 30 psi Gage (Not available with PW option)	

PWM input (9500 series only)

Field selectable 0 - 10 Vdc or 4 - 20 mA

0 - 10 Vdc, loop-powered

EG



OPTIONS:

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



Pressure gauge (not mounted) **PG-100-30**, 0-30 psig

Pneumatic air filter (not mounted) **K-335**, 0.5 micron









Canada E1E 4G7