

Pneumatic Transducers

RP7517 Electronic-Pneumatic Transducer



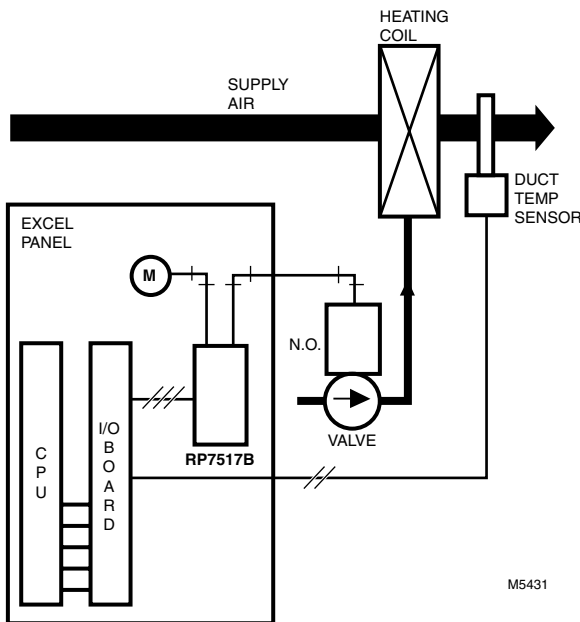
Electronic-Pneumatic Transducers are used in electronic-pneumatic control systems to convert a proportional electric output signal from a controller into a direct-acting, proportional pneumatic signal.

- Screw mounting or snap rail (models with cover).
- Factory calibrated.
- Dual barb fittings.
- High accuracy.

Applications: Electric to pneumatic Transducer
Airflow Usage: 0.025 scfm (117mL/s)
Capacity: 0.45 scfm (211 mL/s)
Air Connections: Dual barb-fittings for 1/4 in. or 5/32 in. O.D. plastic tubing
Nominal Low End (psi): 0.5 psi at 0 Vdc
Nominal Low End (kPa): 3.5 kPa at 0 Vdc

Operating Humidity Range (% RH): 5 to 95% RH
Temperature Range: 131°F, maximum (55°C, maximum)
Pressure Range (psi): 0 to 18 psi; Output – 3 to 15 psi
Pressure Range (kPa): 0 to 125 kPa; Output – 21 to 103 kPa
Maximum Safe Operating Pressure (psi): 30 psi, maximum
Maximum Safe Operating Pressure (kPa): 205 kPa, maximum
Current: 16 mA

RP7517 Typical Piping/Wiring



M5431

Material Number	Electrical Connections	Voltage	Nominal High End (psi)	Nominal High End (kPa)	Dimensions	Input Signal	Includes
RP7517A1009	30 in. (762 mm) lead wire	Powered by Control signal	16 psi with 18 psi main pressure at 12 Vdc	110 kPa with 125 kPa main pressure at 12 Vdc	2 7/16 in. wide x 3 5/8 in. high x 2 in. deep (62 mm wide x 92 mm high x 52 mm deep)	2 to 10 Vdc	With cover, without internal power supply (2-wire)
RP7517A1017	Screw terminals for 14 to 22 gage wire	Powered by Control signal	16 psi with 18 psi main pressure at 12 Vdc or 16 psi at 11 Vdc (min.)	116 kPa with 125 kPa main pressure at 12 Vdc or 110 kPa at 11 Vdc (min.)	2 7/16 in. wide x 3 3/8 in. high x 1 7/8 in. deep (62 mm wide x 86 mm high x 48 mm deep)	2 to 10 Vdc	Without cover, without internal power supply for panel mounting (2 wire)
RP7517B1016	30 in. (762 mm) lead wire	24 Vac external transformer	16 psi with 18 psi main pressure at 12 Vdc or 16 psi at 11 Vdc (min.)	116 kPa with 125 kPa main pressure at 12 Vdc or 110 kPa at 11 Vdc (min.)	2 7/16 in. wide x 3 5/8 in. high x 2 in. deep (62 mm wide x 92 mm high x 52 mm deep)	2 to 10 Vdc at 0.1 mA max	With cover, external transformer required, 24 Vac, 50/60 Hz, (3 wire)
RP7517B1024	Screw terminals for 14 to 22 gage wire	24 Vac external transformer	16 psi with 18 psi main pressure at 12 Vdc or 16 psi at 11 Vdc (min.)	116 kPa with 125 kPa main pressure at 12 Vdc or 110 kPa at 11 Vdc (min.)	2 7/16 in. wide x 3 3/8 in. high x 1 7/8 in. deep (62 mm wide x 86 mm high x 48 mm deep)	2 to 10 Vdc at 0.1 mA max	Without cover, external transformer required, 24 Vac, 50/60 Hz, (3 wire)