

# 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.

**Application:** Electric to pneumatic Transducer

**Action:** Direct Acting

**Airflow Usage:** 0.025 scfm (117mL/s)

**Connections:** Dual barb-fittings for 1/4 in. or 5/32 in. O.D. plastic tubing

**Current:** 16 mA

**Maximum Operating Temperature:** 131 F (55 C)

**Maximum Operating Pressure:** 30 psi (205 kPa)

**Pressure Ranges:** 0 to 18 psi (0 to 125 kPa)

**Nominal High End:** 16 psi with 18 psi main pressure at 12 Vdc (110 kPa with 125 kPa main pressure at 12 Vdc)

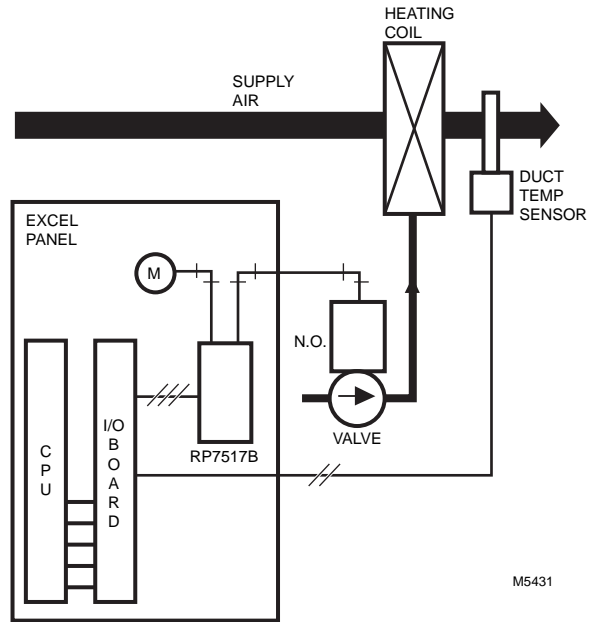
**Nominal Low End:** 0.5 psi at 0 Vdc (3.5 kPa at 0 Vdc)

**Output Pressure Range:** 3 to 15 psi (21 to 103 kPa)

**Humidity Ratings:** 5 to 95% RH

**Capacity:** 0.45 scfm (211 mL/s)

### RP7517 Typical Piping/Wiring



M5431

Product Number	Electrical Connections	Dimensions, Approximate		Input Signal	Voltage	Includes
		(inch)	(mm)			
RP7517A1009	30 in. (762 mm) lead wire	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	Powered by Control signal	With cover, without internal power supply (2-wire)
RP7517A1017	screw terminals for 14 to 22 gage wire	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	Powered by Control signal	Without cover, without internal power supply for panel mounting (2 wire)
RP7517B1016	30 in. (762 mm) lead wire	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	24 Vac external transformer	With cover, external transformer required, 24 Vac, 50/60 Hz, (3 wire)
RP7517B1024	screw terminals for 14 to 22 gage wire	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	24 Vac external transformer	Without cover, external transformer required, 24 Vac, 50/60 Hz, (3 wire)