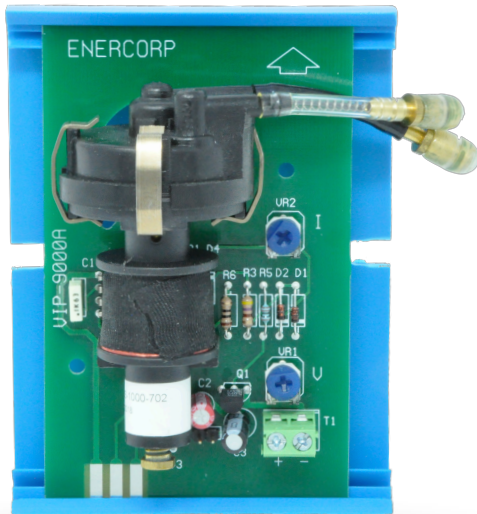


VIP-9000: Current to Pressure Transducer



The VIP-9000 is an I/P or V/P transducer for interfacing electronic control panels to pneumatic valves. A 4...20mA or 2...10VDC input signal is converted into a 3...15psi pneumatic signal to position dampers and valve actuators.

- ◆ Quick panel mounting
- ◆ Easy wiring terminal blocks
- ◆ High accuracy

Technical Data

Input signal: 4...20mA or 2...10 VDC (voltage signals must be capable of delivering 20mA)

Output signal: 3...15psi

Required air supply: 20psi nominal, 30psi maximum; clean dry oil free air required

Air consumption for sizing: 0.008 scfm at 15psi

Air capacity for air mains size: 16 scfm

Maximum air capacity: 515 scfm at 20psi supply

Linearity: +/- 1% of span

Hysteresis: 0.75% of span

Operating temperature: -29...60°C

Storage temperature: -40...71°C

Humidity: 5...95% rH, non condensing

Dimensions (H x W x D): 3 7/8" x 3" x 2 1/2"

Connections: screw terminal and barbed fittings for 1/4" OD plastic tubing

Mounting: supplied with snap track for panel mounting, to be installed in upright position

Factory Calibration: calibrated for 2...10V which equals 3...15psi and 4...20mA which equals 3.6...15psi. At 3psi there is a small offset between voltage and current inputs, which provides reverse polarity protection and a ripple signal to the valve to remove hysteresis.

Accessories

VIP-F10: Inline air filter

- Removal efficiency: 10 microns
- Filter area: 1.71 in²
- Material: PE, PP
- Temperature: 0 - 80°C
- Flow: 0.42 scfm
- Max. pressure: 65.3psi

Industry Usage

HVAC, Building automation, Energy management, Petrochemical

Ordering Data

VIP-9000

VIP-F10