

XEC-3001/3004

E/I-P Transducer

Description and Application

These transducers are used in HVAC systems to provide an accurate signal for positioning damper and valve actuators based on branch line pressure. They convert an analog voltage (E) or current (I) signal into a linear pneumatic (P) output signal for accurate positioning of damper and valve actuators used in HVAC systems.

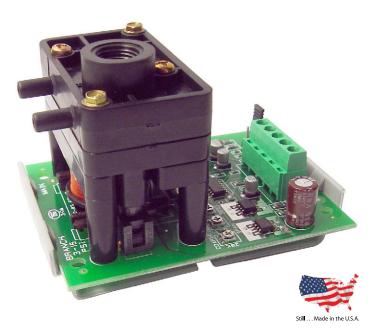
They are not position sensitive devices and can be mounted vertically or horizontally. They provide a direct output feedback signal for branch line pressure.

They can be powered by either 24 VAC or 24 VDC, and have three selectable input ranges. The analog signal may be either 1 to 5 VDC, 2 to 10 VDC, or 4 to 20 mA, which provides a 3 to 15 psi linear pneumatic output signal. A 1 to 5 VDC output feedback signal, proportional and linear to the 3 to 15 psi output signal, is provided. A gauge tap is also provided for pressure output indication. Standard 3.25" Snap Track is supplied for mounting.

The XEC-3004 (only) also has a manual override that may be initiated by moving a jumper and adjusting a potentiometer.

Features

- A direct output feedback signal for branch line pressure
- Can be powered from 24 VAC or 24 VDC sources
- Three user-selectable input ranges available
- Gauge tap is provided for pressure output indication
- Optional manual override on XEC-3004 (only)



Models

XEC-3001	Module with out manual over- ride
XEC-3004	Module with manual override

Accessories

HFO-0006	In-line air filter
ICI-1005	2", 0–30 psi gauge

For **other pneumatic accessories**, such as connectors, tubing, fittings, filters, and gauges, see the Compressed Air Accessories section in the KMC Controls Catalog (SP-071).

Specifications

Main Air

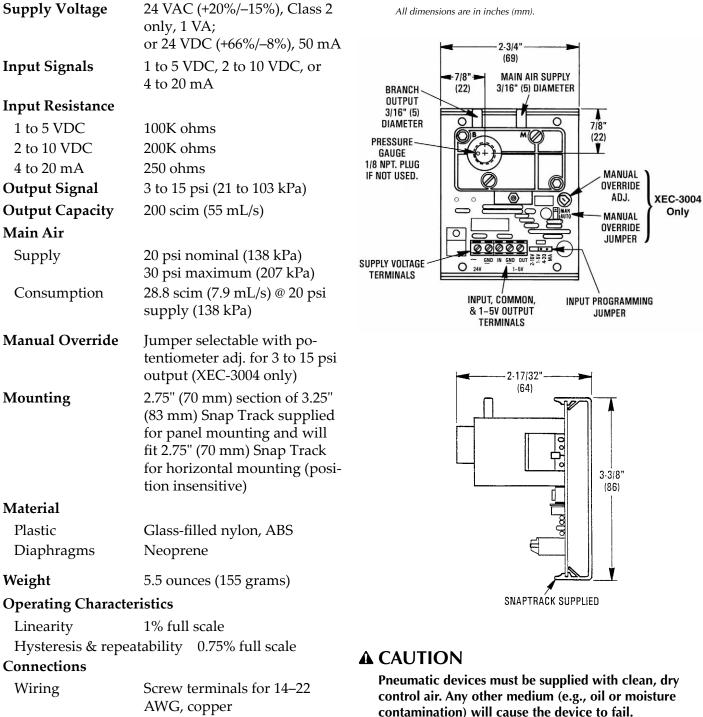
Supply

Mounting

Material Plastic

Weight

All dimensions are in inches (mm).



Wiring AWG, copper Air 3/16" (5 mm) nipple for 1/4" (6 mm) OD polyethylene tubing. 1/8" (3 mm) female NPT for branch pressure gauge

Temperature Limits

Operating	40 to 120° F (4 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)
Humidity	Non-condensing

KMC Controls, Inc.

19476 Industrial Drive, New Paris, IN 46553 574.831.5250 www.kmccontrols.com info@kmccontrols.com