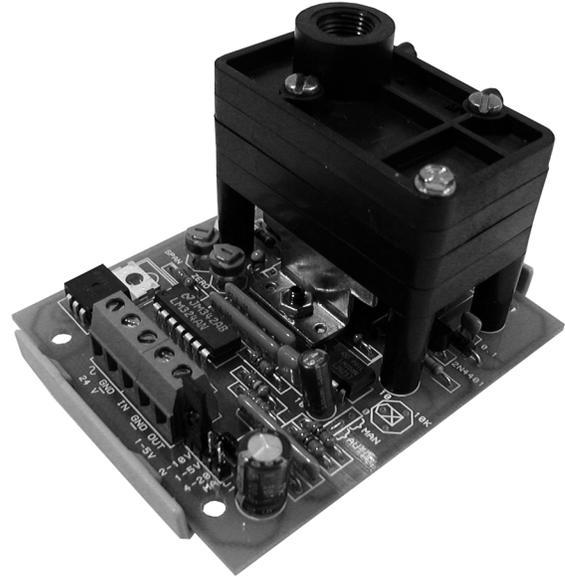


Description

The KMC XEC-3001 E/I-P Transducer converts 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.

The XEC-3001 is not a position sensitive device. It provides a direct output feedback signal for branch line pressure.

The unit can be powered by either 24 VAC or 24 VDC. Three selectable input ranges are available. The analog signal may be either 1 to 5 VDC, 2 to 10 VDC, or 4 to 20 mA and provides a 3 to 15 psig linear pneumatic output signal. A 1 to 5 VDC output feedback signal, proportional and linear to the 3 to 15 psig output signal, is provided. A gauge tap is also provided for pressure output indication. Standard 3.25" snaptrack is supplied for mounting.



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

Application

The KMC XEC-3001 E/I-P Transducer is used in HVAC systems to provide an accurate signal for positioning damper and valve actuators based on branch line pressure.

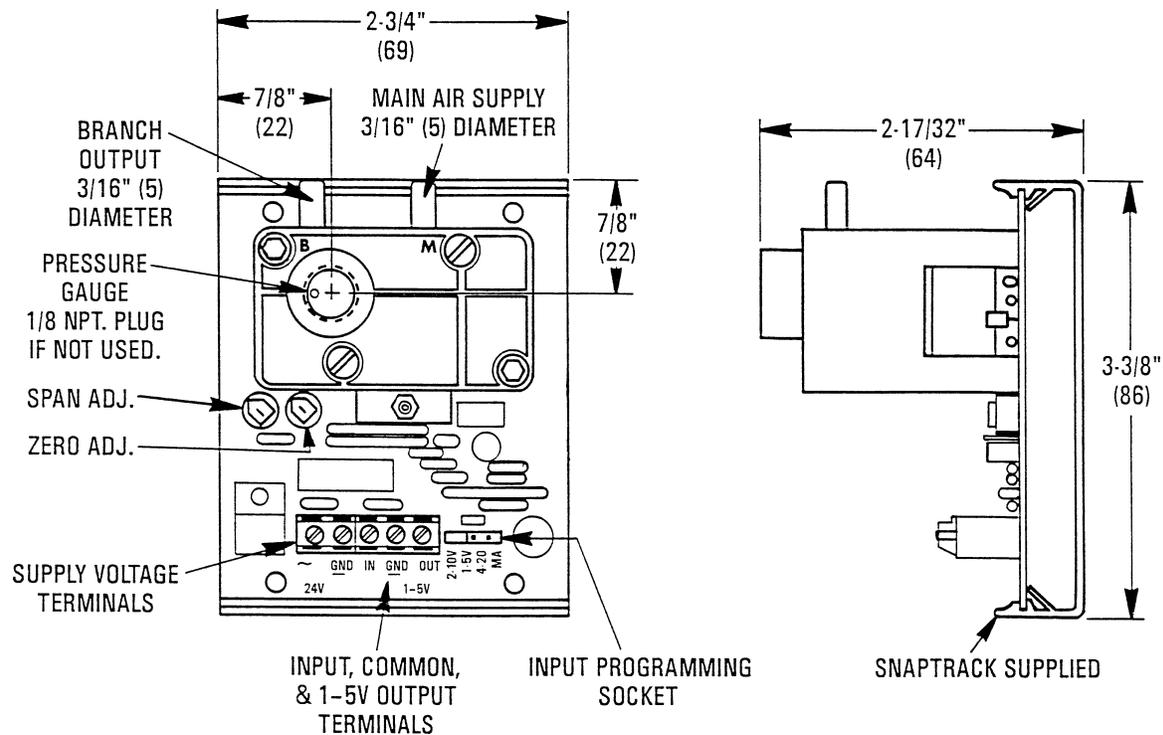
Accessories

The following accessories are available:

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

Details

All dimensions are in inches (mm).



Specifications

Input Signals	1 to 5 VDC, 2 to 10 VDC, or 4 to 20 mA
Input Resistance	
1-5 VDC	100K ohms
2-10 VDC	200K ohms
4-20 mA	250 ohms
Output Signal	3 to 15 psig (21 to 103 kPa)
Output Capacity	200 scim (55 mL/s)
Main Air	
Supply	20 psig nominal (138 kPa) 30 psig maximum (207 kPa)
Consumption	28.8 scim (7.9 mL/s) @ 20 psig supply (138 kPa)
Supply Voltage	24 VAC, +20%/-15%, 1 VA, or 24 VDC, +66%/-8%, 50 mA
Adjustments	Factory set span and zero
Mounting	2.75" (70 mm) section of 3.25" (83 mm) snaptrack supplied for panel mounting. Not position sensitive, will fit 2.75" (70 mm) snaptrack for horizontal mounting.
Material	
Plastic	Glass-filled nylon, ABS
Diaphragms	Neoprene

Weight 5.5 ounces (155 grams)

Operating Characteristics

Linearity	1% full scale
Hysteresis and repeatability	0.75% full scale

Connections

Wiring	Screw terminals for 14 to 22 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

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