

TRANSDUCERS

ELECTRONIC / PNEUMATIC TRANSDUCER IP300



DESCRIPTION

The **KMC Controls IP300 Electronic/Pneumatic Transducer** converts an analog voltage or current input signal into a linear pneumatic output signal of 3 to 15 psig. The pneumatic output provides accurate positioning of dampers and valve actuators used in HVAC systems. The **IP300** features three selectable inputs of 1-5 VDC, 2-10 VDC, or 4-20 mA. The unit can be mounted in any orientation with the 3.25" snap track. The transducer is equipped with an internal filter and a gauge tap for pressure output indication.

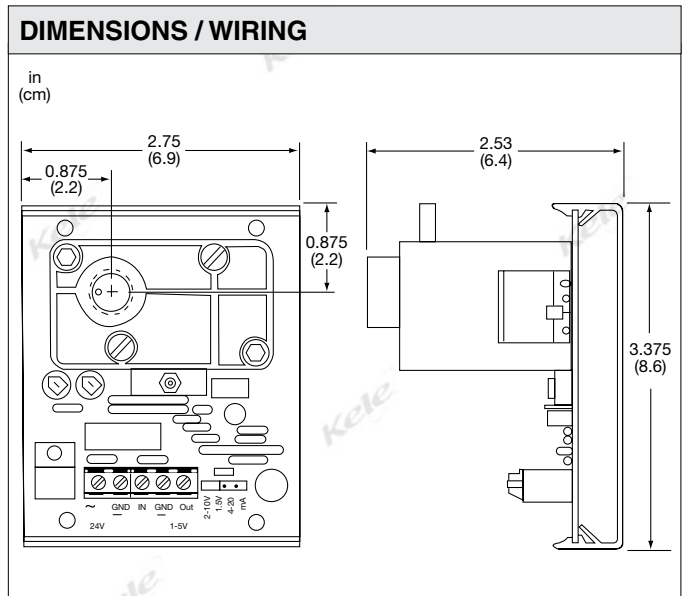
FEATURES

- Three user-selectable inputs
- 24 VAC or VDC power supply
- Gauge tap for pressure output indication
- Zero and span adjustment
- Snap track mounting



IP300

SPECIFICATIONS	
Supply Voltage	24 VAC/VDC
Supply VA	1 VA @ 24 VAC; 50 mA @ 24 VDC
Input	1-5 VDC, 2-10 VDC, or 4-20 mA
Input Impedance	100 kΩ @ 1-5 VDC; 200 kΩ @ 2-10 VDC; 250Ω @ 4-20 mA
Output	3-15 psig (21-103 kPa)
Wiring Terminations	Screw terminals
Air Capacity	200 scim (55 mL/s)
Air Connections	3/16" diameter barbs for 1/4" OD tubing; 1/8" FNPT gauge port
Air Consumption	28.8 scim (7.9 mL/s) @ 20 psig (138 kPa) supply
Maximum Pressure	30 psig (207 kPa)
Nominal Pressure	20 psig (138 kPa)
Linearity	1% of full scale
Hysteresis	0.75% full scale
Operating Temperature	40° to 120°F (4° to 49°C)
Operating Humidity	10 to 90% RH (non-condensing)
Weight	0.34 lb (0.15 kg)
Warranty	1 year



ORDERING INFORMATION	
MODEL IP300	DESCRIPTION Electronic/pneumatic transducer
PG-05	RELATED PRODUCTS Pressure gauge, 0-30 psig (10-200 kPa), 1.5" dial, 1/8" NPT center back mount