



MAMAC SYSTEMS



DESCRIPTION

The **Mamac Model EP-311/313 Series** incorporates quiet low wattage poppet valves and a pressure sensor to measure and adjust the branch line pressure proportional to the input. This unit has no air consumption and is immune to supply line pressure fluctuations. The **Model EP-313** incorporates a manual override switch and, in the manual mode, the pressure can be increased or decreased with two push button switches. This feature is most desirable for check out/ commissioning and manual operation in case of controller failure.

The Universal 24 VAC/24 VDC supply voltage and field-selectable 4-20 mA, 0-5 VDC, or 0-10 VDC inputs ensure single unit compatibility to most of the systems. Unique steel chassis design substantially reduces the overall size of the unit and, at the same time, provides for ease of installation in a control panel directly or with a snap track. A precision gauge is provided for the branch line pressure. Rugged aluminum manifold, brass barb fittings, floating poppet solenoid valves, silicon pressure sensor, high performance electronics and a liberal five year warranty are some of the features which make the Model EP-311/313 Series the highest performing and the most reliable electropneumatic transducers in the industry.



EP-311/313



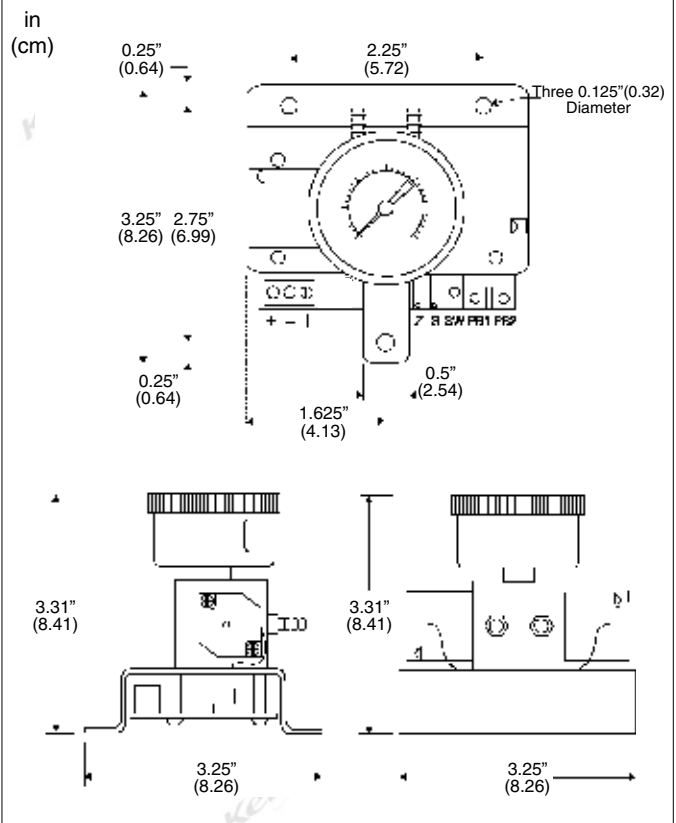
FEATURES

- 100% solid state piezoresistive silicon pressure sensor
- High air flow capacity
- Field selectable 4-20 mA, 0-5 VDC or 0-10 VDC input
- Smallest size in the industry
- Short circuit and reverse polarity protected inputs and outputs
- Conforms to EMC and RoHS standards

SPECIFICATIONS

Supply Voltage	18-28 VAC/VDC
Supply Current	150 mA
Accuracy	±1% of FS
Input Signal	4-20 mA, 0-5 VDC, 0-10 VDC
Input Impedance	301Ω (4-20mA); 10KΩ (0-5/0-10 VDC)
Signal Output	3-15 psig or 0-20 psig
Thermal Effect	±0.025%/°F (0.03%/°C)
Media Compatibility	Clean dry air or any inert gas
Operating Temperature	25° to 150°F (4° to 65°C)
Operating Humidity	10-90% RH Non-Condensing
Maximum Supply Pressure	40 psig
Weight	1.0 lb (0.45 kg)
Approvals	CE, RoHS
Warranty	5 years

DIMENSIONS

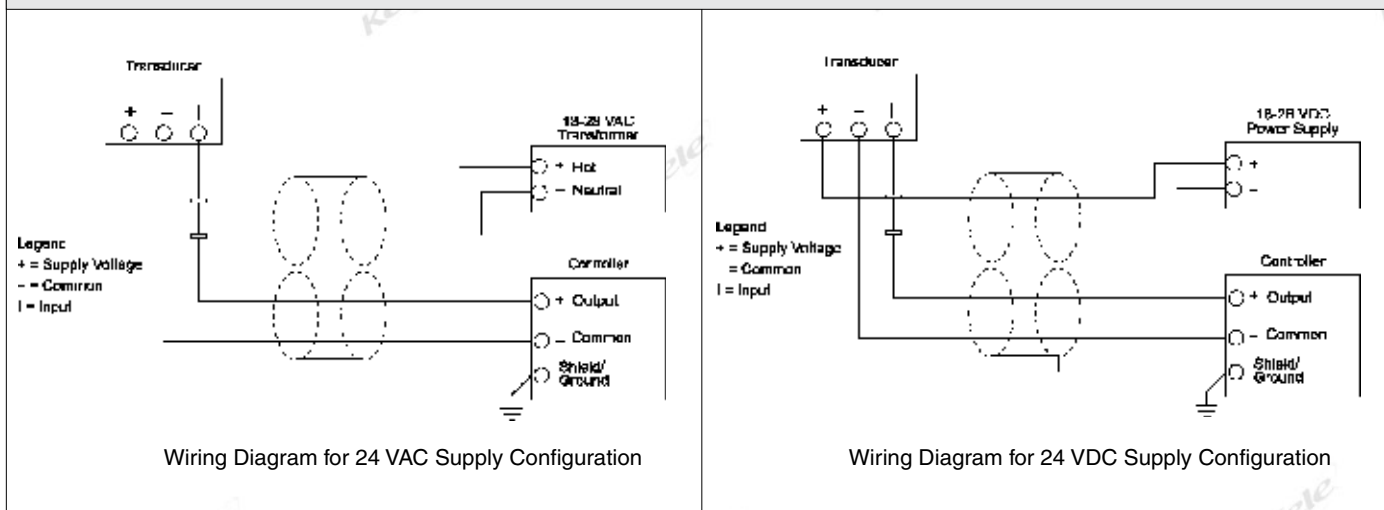




TRANSDUCERS

ELECTRONIC / PNEUMATIC TRANSDUCER EP-311/313 SERIES

WIRING



CAUTION: A minimum of 6 to 10 feet (1.8 to 3.0m) of tubing should be between the unit and the actuator.

ORDERING INFORMATION

MODEL	DESCRIPTION
EP311020	Electropneumatic transducer without manual override, 0-20 psig
EP311315	Electropneumatic transducer without manual override, 3-15 psig
EP313020	Electropneumatic transducer with manual override, 0-20 psig
EP313315	Electropneumatic transducer with manual override, 3-15 psig

	RELATED PRODUCTS	PAGE
T-101	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)	901