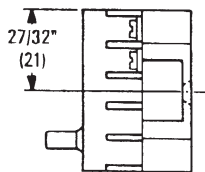
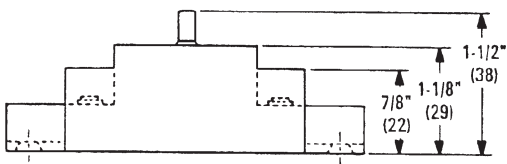
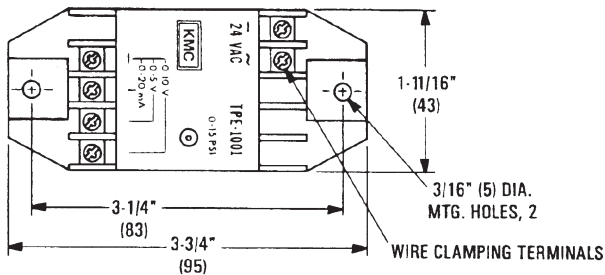
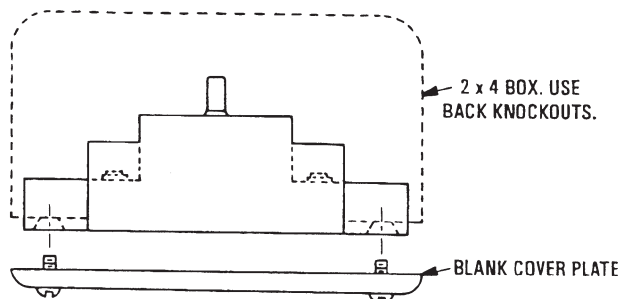


Installation Guide

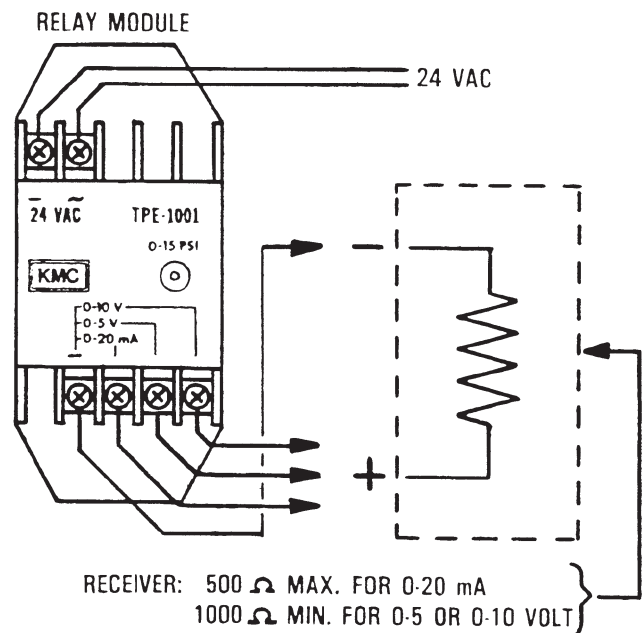
Mounting

The TPE-1001 may be mounted either on a surface, such as a panel backplate, or in a deep 2" x 4" handy box. A deep box is required to accommodate the 3/16" (5 mm) diameter tubing connection.



Connections and Wiring

1. Connect 1/4" (6 mm) O.D. tubing to the 0–15 psi port.
2. Connect the terminals of **ONE** (only) of the outputs (0–5 VDC, 0–10 VDC, or 0–20 mA) to the appropriate load (500 ohms max. for 0–20 mA or 1000 ohms min. for 0–5/0–10 VDC). (See also the Input/Output Calibration section.)
3. Connect the 24 VAC terminals to a 24 VAC (+20%, –15%), Class 2 transformer. (Multiple units may be supplied from an individual transformer.)

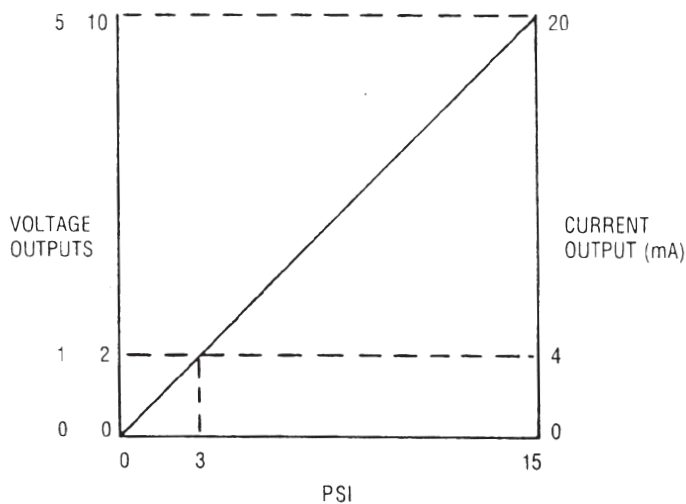


⚠ CAUTION

Pneumatic devices must be supplied with clean, dry control air. Any other medium (e.g., oil or moisture contamination) will cause the device to fail.

Input/Output Calibration

The input and output ranges are designed so that a normal 3–15 psi pneumatic signal will generate output signals of 1–5 VDC, 2–10 VDC, or 4–20 mA. These ranges are detailed in the graph below.



NOTE: A 3–15 psi signal generates 1–5 VDC, 2–10 VDC, or 4–20 mA.

Maintenance

No routine maintenance is required. Each component is designed for dependable, long term reliability and performance. Careful installation will also ensure long term reliability and performance.

Specifications

Supply Voltage	24 VAC (+20%, –15%), Class 2
Supply Power	0.5 VA
Input Signal	0–15 psi (0–103 kPa), 30 psi max. (207 kPa), using 1/4" (6 mm) O.D. polyethylene tubing
Output Signal	0–5 VDC, 0–10 VDC, 0–20 mA
Output Accuracy	+/- 3%
Material	Beige flame-retardant plastic
Wire Size	14 to 22 AWG recommended
Receiver Load	500 ohms max. for 0–20 mA 1000 ohms min. for 0–5/0–10 VDC
Weight	2 oz. (57 grams)
Temperature Limits	
Operating	40 to 120° F (4 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)

Important Notices

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