

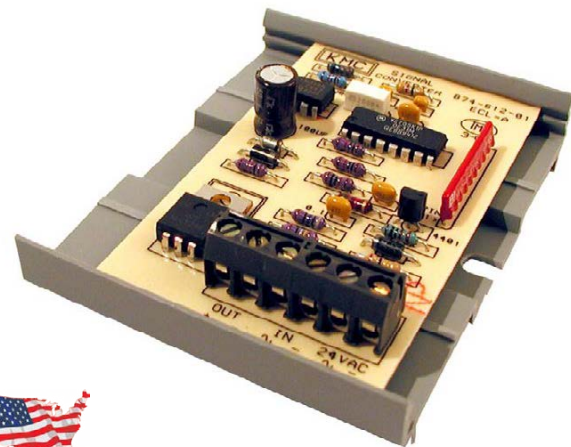
XEE-1501 Pulse Width to Voltage Transducer

Description and Application

This transducer converts a pulse width signal into a voltage output signal. It is designed for interfacing building automation systems having pulse width modulated outputs with control devices requiring 0–10 VDC proportional signals.

The transducer mounts in a standard 3.25-inch Snap Track (supplied) and is powered by 24 VAC. The 0–10 VDC output signal is based on a 0–5 second pulse width, with 5 seconds equating to a 10 VDC output signal. The response is linear (e.g., 2.5 second intervals would equate to a 5 VDC output signal).

On a loss of the pulsed input signal, the XEE-1501 will hold its last output for 60 seconds before resetting to 0 VDC.



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Features

- ◆ Converts modulated outputs to proportional signals
- ◆ Linear response across output
- ◆ 60 second output hold on loss of input signal

Accessories

XEE-6111-040	Transformer, 120-to-24 VAC, 40 VA, single-hub
XEE-6112-040	Transformer, 120-to-24 VAC, 40 VA, dual-hub

Specifications

Input Signal	24 VAC, 60 or 50 Hz
Pulse Width	5 sec. (60 Hz) for 100% (10 VDC) 6 sec. (50 Hz) for 100% (10 VDC)
Output Signal	0–10 VDC @ 15 mA
Supply Voltage	24 VAC (+20/–15%), 50/60 Hz, 0.5 VA
Accuracy	±2%
Mounting	2.75" (70 mm) section of 3.25" (83 mm) Snap Track supplied for panel mounting; mounting not position sensitive
Connections	Wire clamp type 14–22 AWG, copper
Weight	2 oz. (56 grams)
Temperature Limits	
Operating	40 to 120° F (4 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)

Details

All dimensions are in inches(mm)

