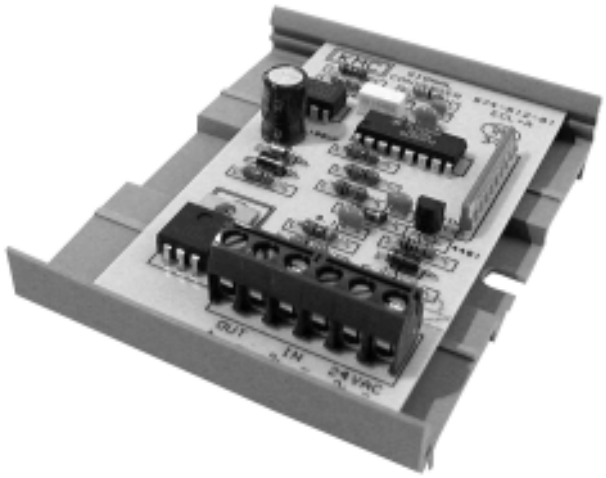
XEE-1501
Pulse Width/Voltage Transducer

Description

The KMC XEE-1501 Pulse Width/Voltage 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" snaptrack (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, i.e.: 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.



Features

The KMC XEE-1501 Pulse Width/Voltage Transducer features:

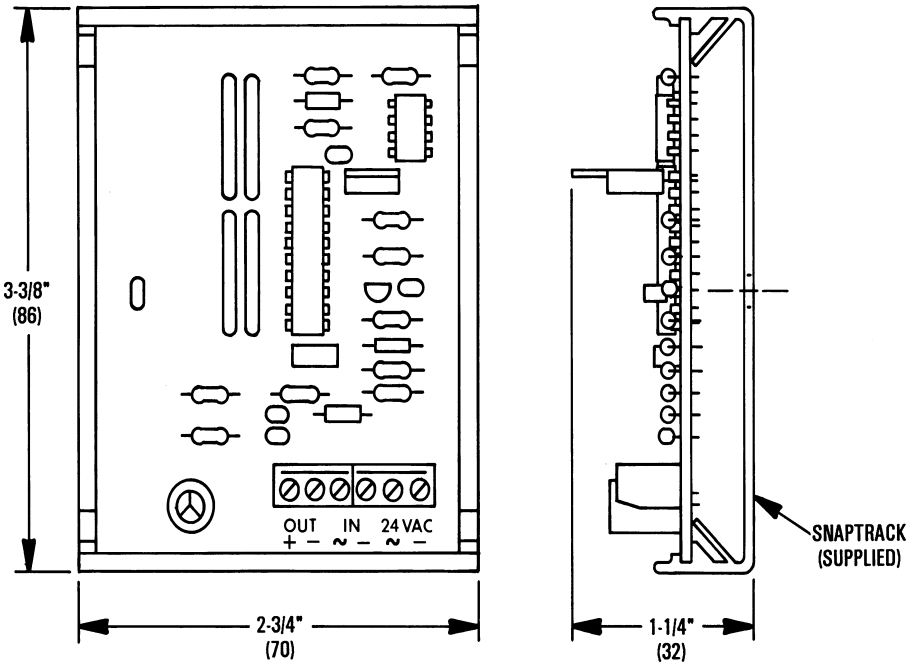
- Converts modulated outputs to proportional signals
- Linear response across output
- 60 second output hold on loss of input signal

Application

The KMC XEE-1501 Pulse Width/Voltage Transducer is used to interface building automation systems using pulse width modulated outputs with control devices requiring 0–10 VDC proportional signals.

Details

All dimensions are in inches(mm)



Specifications

Input Signal	24 VAC; 60 Hz 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) snaptrack supplied for panel mounting. Not position sensitive.
Connections	Wire clamp type 14–22 AWG, CU
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)

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