



FEATURES

- Four Field Selectable Preset Input Ranges
- Jumper Selectable Triac Adapter
- 255 Step Resolution
- No Wrap-Around
- Manual Override Capability
- Mounts in Snap Track or ENC1 Enclosure



PRODUCT DESCRIPTION

A timed contact or solid state closure from the controlling microprocessor controller is converted to a linear analog output with 255 steps of resolution. The last output signal is held until the PTA2 receives the end of the next pulsed input signal. The PTA2 will not wrap around if an excessively long pulse is received. Four input pulse rates are jumper selectable. The input

signal is optically isolated and can accept either positive or negative polarity.

The PTA2 includes triac adapter circuitry (jumper selectable) for a triac input. The PTA2 has a jumper selectable manual override which will allow modulation of the output between 0-10 VDC to verify proper operation of the controlled device.

ORDERING INFORMATION

Specify: **PTA2 Version** _____ with _____ **ENC1 Enclosure?**

1 or 2 (see below) Other pulse ranges can be special ordered

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	24 VAC or 24 VDC +/-10%, 50/60 Hz
Supply Current	135 mA maximum
Power Consumption	3.24 watt

Input

Relay, contact closure, transistor or triac (select at J2)	12-24 VAC/VDC signal trigger level or dry contact to common 1 millisecond minimum between "ON" pulses
Signal Trigger Level	Normal Mode: 5 to 26.4 VDC 5 to 26.4 VAC Triac Mode: 9 to 26.4 VAC Using Rectified DC Power Output : 21 to 37 VDC VAC-900 ohms nominal, VDC-1500 ohms nominal
Impedance:	
Ranges - Version 1:	.02-5 seconds, .1-10 seconds, .1-25.5 seconds, .59-2.93 seconds.
Ranges - Version 2:	0-10 second Duty Cycle Pulse (a continuous pulse signal command string sampled in 10 sec. window) and .023-6 seconds.

Output

Voltage	0-10 VDC
Impedance	400 ohms minimum
Accuracy (including manual)	+/-5%
Rectified DC Power Output	21-37 VDC (For input trigger only). Range dependent on whether AC or DC power is supplied.

Connections:

Wire Size

Up to one 14 gauge maximum

Dimensions

2.2"L X 2.25"W X 1.0"H

Weight

1.5 oz.

Mounting

Furnished with 2.2"L of 2.25" snaptrack (ENC1 optional)

Environmental Requirements

Operating Temperature

32 to 120 deg. F

Storage Temperature

-20 to 150

Operating Humidity

5 to 95% non-condensing