



PTA2

PWM to Voltage Output



The PTA2 accepts a timed contact, or solid state closure, from a microprocessor controller and converts it to a linear analog output with 255 steps of resolution. The PTA2 will not wrap around if an excessively long pulse is received. Seven input pulse rates are jumper selectable (between Version 1 and 2). 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. On Version 1, the last output signal is held until the PTA2 receives the end of the next pulsed input signal.

Applications: Pulse to Analog Transducer, Interface to Variable Speed Pump Drive Control, Interface to Variable, Frequency Fan Drive Control, Interface to Electric Actuator, Duty Cycle to Analog Control, Digital to Analog Conversion

The PTA2 is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website.

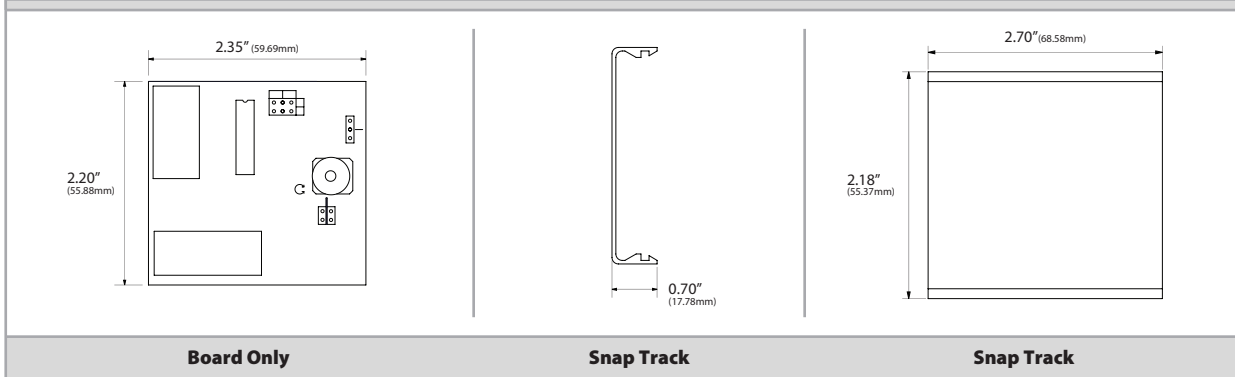
PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC or 24 VDC +/-10%, 50/60 Hz
Supply Current:	135 mA maximum
Input Pulse Source:	Relay Contact Closure, Transistor, Triac, or Dry Contact to Common
Input Pulse Trigger Level:	Normal Mode = 5 to 26.4 VAC/DC Triac Mode = 9 to 26.4VAC Using Rectified DC Power Output: 21-37 VDC
Input Pulse Timing:	Selectable Ranges-See Ordering Grid
Input Pulse Impedance:	VAC = 900Ω nominal VDC = 1500Ω nominal
Voltage Output Signal (@ Impedance):	0-10 VDC @ 400Ω minimum
Output Resolution:	255 steps of resolution
Accuracy:	+/- 5%
Connections:	90° Pluggable Screw Terminal Blocks
Wire Size:	16 (1.31 mm ²) to 26 AWG (0.129 mm ²)
Terminal Block Torque Rating:	0.5 Nm (Minimum); 0.6 Nm (Maximum)
Operating Temperature Range:	35 to 120°F (1.7 to 48.9°C)
Operature Humidity Range:	10 to 95% non-condensing
Storage Temperature:	-20 to 150°F (-28.9 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 2.20" (W) 2.35" (H) 1.00" (55.88 x 59.69 x 25.4 mm)
Product Weight:	0.18 lbs. (0.082 Kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: PTA2 -OR- 102633

Model #	Item #	Firmware #	Input Pulse Range (Seconds)
PTA2	102633	0114Y0E.HEX	0.02 to 5.0s, 0.1 to 10.0s, 0.59 to 2.93s, 0.1 to 25.5s
PTA2 VERSION #2	102634	03.01.001.90.HEX	0 to 10.0s Duty Cycle Pulse (10s window) 0-25.5s Duty Cycle Pulse (25.5 sec. window) 0-100s Duty Cycle Pulse (100s window) 0.023 to 6.0s

ACCESSORIES

Model # Example: A/DO008 -OR- 142583

Model #	Item #	Description
A/DO008	142583	Transient Voltage Suppressor, Bi-directional, 56VAC/DC, 1500W
A/DRC 2.7 X 2.18	142626	DIN Rail Adapter Kit
ENC1	102472	20 Gauge Metal Enclosure, Designed to Hold Interfaces Products

