



Product Data

ATP

Analog to Pulse

Product Description

ATP-R - Converts an analog signal into a digital pulse output signal. The user can select eight standard analog input ranges to the ATP by changing jumper shunt positions. To select the output pulse range, the ATP has an eight position DIP switch. The output pulse is continuous with a one second off time between pulses.

ATP-R Version 2 - Operates the same except no pulse output occurs when the analog input falls to, or below, 10% of the input signal range. This allows for a true "OFF" setting for solid state relays controlling electric heat.

ATP-T - This is a Triac Output (24VAC only). You need to contact ACI for technical assistance when ordering.

ATP-Y - This is also a Form C Relay Output (24VAC or VDC with an option of two pulse output ranges designed to communicate with York™ Chiller Control Packages. Some chiller control panels required a **1-11** or **0-21** second pulse to remotely reset chilled water temperatures. Specify one of two pulse ranges when ordering.

The ATP is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: www.workaci.com.

Specify: **ATP-R**, **ATP-R VERSION 2**, **ATP-T** or **ATP-Y**

Product Specifications

Supply Voltage (At ATP Terminals)	24VAC or 24VDC +/-10%
Supply Current	50mA max
Analog Input	
Voltage (ATP-R and ATP-R V2) at 1M ohms (all jumper selectable)	0-5VDC, 0-10VDC, 0-15,VDC, 1-5VDC, 2-10VDC, 3-15VDC
Current (ATP-R and ATP-R V2) at 250 ohms (all jumper selectable)	0-20mA, 4-20mA
Standard Mode Timing Ranges (For ATP-R and ATP-R V2)	Solidyne™ .023 to 6 seconds Andover™ .1 to 25.5 seconds Johnson™ .02 to 5 seconds Novar™ .59 to 2.93 seconds
Custom Mode allows for 128 pulse timing ranges (see instructions)	
Mechanical Requirements	Digital Output Relay (ATP-R & ATP-Y) 2A @ 24VAC or 24VDC 100,000 @ 2A 10 million operations Digital Output Triac (ATP-T & ATP-MVA4) 3A @ 24VAC only (22-28V)
Form "C" Relay	
Electrical Life	
Mechanical Life	
Triac	
Operating Temp/RH	-20 to 150° F (-28.9 to 65.6° C) / 10 to 95% non condensing
Approval	RoHS

Wiring Diagrams available at www.workaci.com

Interface Devices



Attributes:

- Voltage or current input
- 4 Standard and 128 Custom Field Selectable pulse timing Range Outputs
- Triac output available
- LED to monitor operation
- Snap track included

Applications:

- Analog interface to some York™ chiller control package
- Analog control of solid state relays for electric heat
- Analog to pulse width output
- Analog to (AC) triac output



Made in the **USA**

Automation Components, Inc.
2305 Pleasant View Rd.
Middleton, WI 53562
PH: (608) 831-2585
FAX: (608) 831-7407

TEMPERATURE

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