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Input	Analog	Output	Pulse
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## Analog to PWM Output

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 (24 VAC only). You need to contact ACI for technical assistance when ordering. ATP-Y: This is also a Form C Relay Output (24 VAC 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. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).





**SPECIFICATIONS**

<b>Supply Voltage</b>	24 VAC or 24 VDC +/-10%
<b>Supply Current</b>	50 mA maximum
<b>Input Voltage</b>	0-5 VDC, 0-10 VDC, 0-15 VDC, 1-5 VDC, 2-10 VDC, 3-15 VDC
<b>Input Current</b>	0-20 mA, 4-20 mA
<b>Output Timing Ranges</b>	Solidyne™ (.023-6 seconds)    Andover™ (.1-25.5 seconds)    Johnson™ (.02-5 seconds)    Novar™ (.59-2.93 seconds)
<b>Digital Output Relay</b>	(ATP-R & ATP-Y)
<b>Form "C" Relay</b>	2A @ 24 VAC or 24 VDC
<b>Electrical Life</b>	100,000 @ 2A
<b>Mechanical Life</b>	10 million operations
<b>Triac (ATP-T)</b>	3A @ 24 VAC only (22-28V)
<b>Operating Temp/RH</b>	-20 to 150°F (-28.9 to 65.6°C)/10 to 95% non condensing
<b>Product Dimensions</b>	(L) 2.75" (W) 2.25" (H) 1.00"

**ORDERING**

Please select a Version (A). Choose an Optional Accessory (1) if desired.

**A** Version

- R** (Analog Input to Digital Pulse Output)
- R VERSION 2** (Analog Input to Digital Pulse Output) (No Pulse if Input is Between 0 & 10 Input Signal)
- T** (Triac Output Only) (24 VAC only)
- Y (1 to 11)** (York™ Chiller Packages)
- Y (0 to 21)** (York™ Chiller Packages)

**1** Optional Accessories

- (None)
- ENC1** (ENC1 Enclosure)
- DRC** (Din Rail Mounting Kit)

**BUILD PART NUMBER**

After completing (A) from the above table, fill in the Part Number Table below. (1) is an Optional Accessory. The "Sensor Series" is a factory default. An example part number is offered.

**ATP**

SENSOR SERIES	A
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EXAMPLE: ATPR VERSION 2

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EXAMPLE: DRC

