

SPECIFICATIONS

Input Impedance	> 1 M Ω
Linearity	
(Best Straight Line)	$\pm 0.1\%$ of span, typical
Excitation	500mVDC, nominal
Potentiometer Resistance	
(End to End)	100 Ω (min) to 100K Ω (max)
Response Time	100 mSec., typical
Stability	$\pm 0.05\%$ of span/ $^{\circ}$ C, typical
Output Ripple	0.2% of span, or 5mV rms, whichever is greater.
Output Impedance	Voltage Output < 10 Ω Current Output > 100K Ω

Output Drive	Voltage Output 10mA, max. Current Output 15V compliance @ 20mA
Common Mode Rejection	60 Hz: >100dB DC: >120dB
Temperature Range	Operating: 0 to 60 $^{\circ}$ C (32 to 140 $^{\circ}$ F) Storage: -20 to 85 $^{\circ}$ C (-4 to 185 $^{\circ}$ F)
Power	Consumption: 3W typical, 5W max Standard: 120VAC ($\pm 10\%$, 50-400Hz) Available: AC:240V, ($\pm 10\%$, 50-400Hz)
Weight	AP4003 0.48lbs

OUTPUT RANGES

Table 1 lists the standard DC output ranges. For better resolution non-standard ranges are also available within the limits shown in Table 2.

Table 1: AP4003 Standard Outputs

0-1V	1-5V	4-20mA
0-5V	0-10V	10-50mA

Table 2: AP4003 Output Limits

Minimum Span		Maximum Output	
Voltage	Current	Voltage	Current
100mV	1mA	10V	50mA

Consult factory for other available ranges.

PRODUCT ASSISTANCE:

For additional information on calibration, operation and installation please contact our Technical Services Group. Call toll-free:

800-783-6664

MODELS & ACCESSORIES

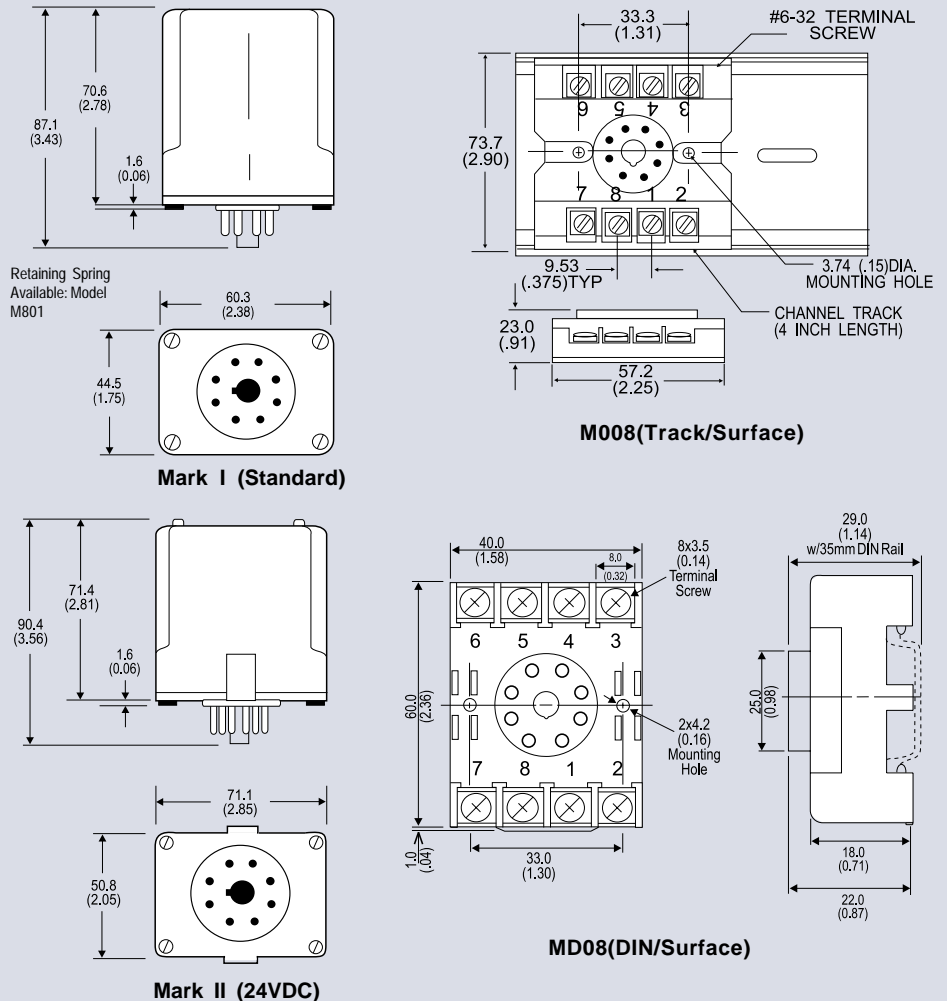
Mounting

All Action Paks feature plug-in installation Model AP4003 uses an 8-pin base, either molded socket (M008) or DIN (MD08) socket.

Accessories

M801 Retaining Spring

DIMENSIONS [Dimensions are in millimeters (Inches)]



Ordering Information

Specify:

1. Model: **AP4003**
 2. Output Range (see Tables 1,2)
 3. Options: CS, U (see text)
 4. Line Power (see specs.)
- (All power supplies are transformer-isolated from the internal circuitry.)

Pin Connections

AP4003

- 1 AC Power (Hot)
- 2 Shield (GND)
- 3 AC Power (Neu)
- 4 Pot CCW/Shield
- 5 Pot W
- 6 Pot CW
- 7 Output (+)
- 8 Output (-)