

Low Cost Panel Controller

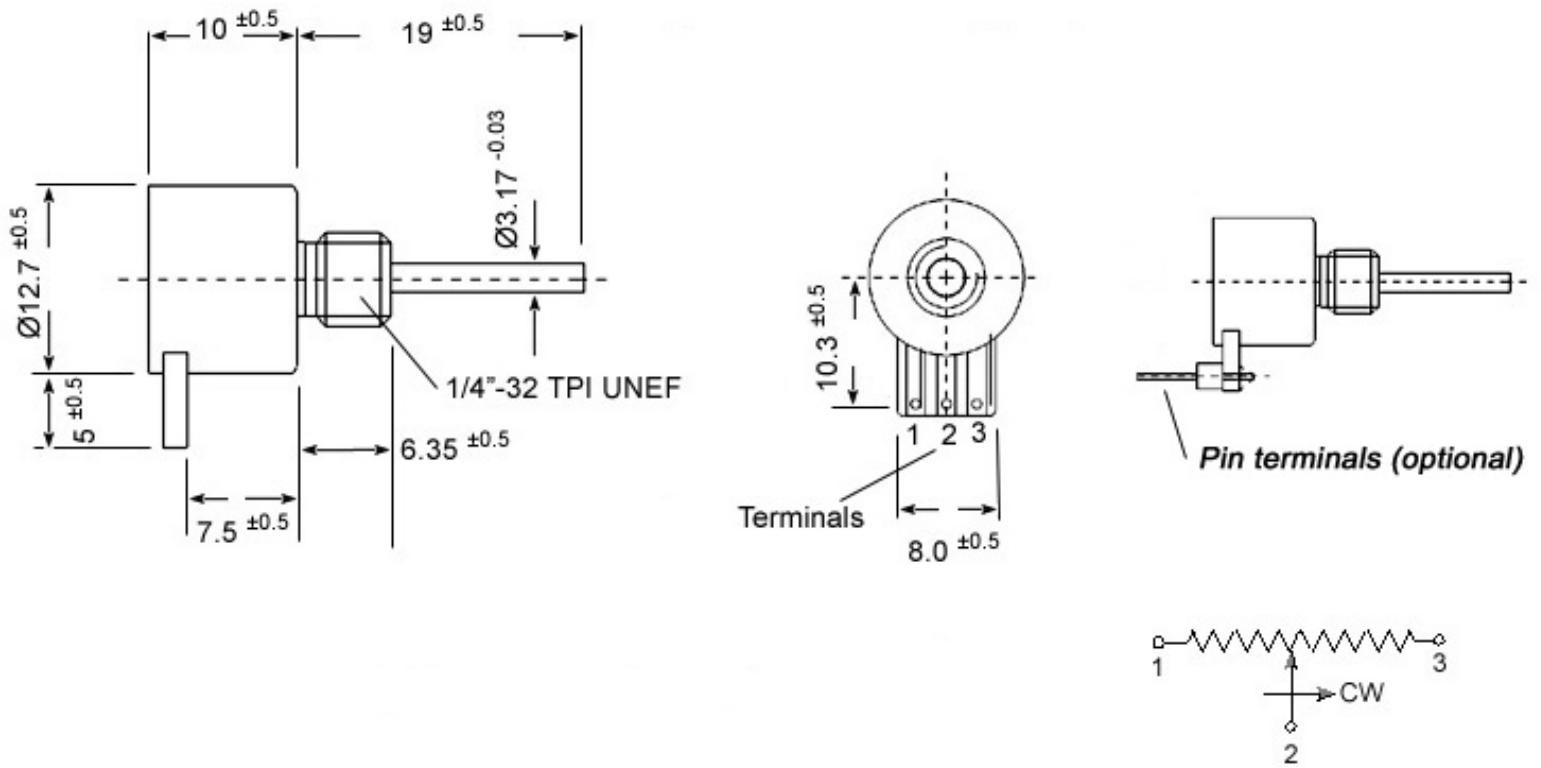
- 1/2" (13mm) Diameter
- 1,000,000 Turns Life
- 1k to 100K Resistance Values
- Infinite Resolution



Miniature conductive plastic potentiometer outperforms trimmers and carbon element potentiometers at a reasonable price. Suitable as a high resolution controller in industrial applications. Available with or without mechanical end stops.

Electrical Specifications	R12P	R12PC
Electrical Angle		300° ±5°
Resistance Value (ohms)		1k ~ 10k
Resistance Tolerance		±20% (±10% opt.)
Linearity Tolerance (std.)		±5%
Linearity Tolerance (opt.)		±3%
Resolution		Essentially infinite
Wiper Current		1mA (max.)
End Resistance		< 0.5%
Temperature Coefficient		±400 ppm/deg.C
Power @ 40°C (W)		0.5
Insulation Resistance		1000 Mohm @ 500 VDC
Dielectric Strength		500 VAC, 1 minute
Mechanical Specifications		
Mechanical Angle	320° ±10°	360° (continuous)
Maximum Operating Friction		0.3 Oz-in.
Life Expectancy		1,000,000 turns
Housing Diameter		13mm (1/2")
Bearing		sleeve
Environmental Specifications		
Operating Temperature		-55°C to +105°C
Standards		IEC 393
Protection Grade		IP40
Materials		
Housing		Thermoplast
Shaft		Stainless steel
Bushing		Brass
Terminals		Solderable terminal strip (pin terminals optional)

Dimensions (mm)



P3 America, Inc.

3089C Clairemont Dr. #363 - San Diego, Ca. 92117

Phone: (858) 277-1420

Fax: (858) 225-0439

www.p3america.com

© P3 America, Inc. 2004 - 2006. All Rights Reserved