

**Very Low Cost Panel Controller**

- 3 Watts
- Shaft O-ring and Slot are Standard
- 100,000 Turns Life
- 50 ohms to 20K ohms Resistance Values



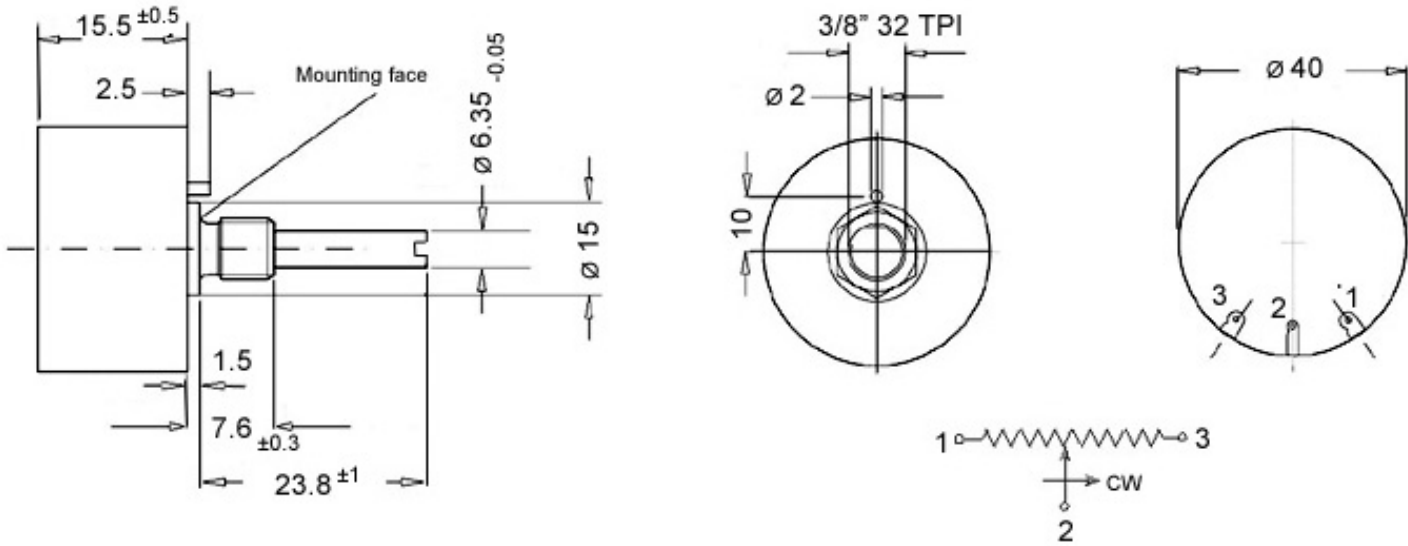
Excellent linearity and resistance tolerance with good rotational life at a very low cost makes this industrial grade potentiometer an ideal choice for manual control applications. Many options available.

Electrical Specifications	R40W	R40WC
Electrical Angle	270° ±5°	
Resistance Value (ohms)	50 ~ 20k	
Resistance Tolerance	±10% (±5% opt.)	
Linearity Tolerance (std.)	±1%	
Linearity Tolerance (opt.)	±0.75%	
Power @ 40°C (W)	3.0	
Insulation Resistance	1000 Mohm @ 500 VDC	
Dielectric Strength	1000 VAC	
Noise	< 100 ohm ENR	
Mechanical Specifications		
Mechanical Angle	285° ±5°	360° (continuous)
Maximum Operating Torque	1.0 Oz-in.	
Life Expectancy	100,000 cycles	
Housing Diameter	40mm	
Bearing	sleeve	
Environmental Specifications		
Operating Temperature	-30°C to +85°C	
Standards	IEC 393	
Protection Grade	IP40 (rear) IP54 (front)	
Materials		
Housing	Thermoplast	
Shaft w/O-ring	Nickel plated brass	
Bushing	Nickel plated brass	
Terminals	Phosphorbronze	

## Resolution Chart

Resistance Value (ohms)	Resolution (%)
50	0.470
100	0.430
200	0.370
500	0.250
1K	0.200
2K	0.220
5K	0.150
10K	0.110
20K	0.090

## Dimensions (mm)



## Options

- Sealed (IP65)
- Special Shaft Machining
- Special Resistance Values
- Special Operating Angles
- Custom Cables, Connectors
- Tighter Tolerances

*P3 America*

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

Phone: (858) 277-1420 Fax: (858) 225-0439

[www.p3america.com](http://www.p3america.com)

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