

Low Cost Panel Controller

- 250,000 Turns Life
- 3 Watts
- 1% Standard Linearity
- 50 ohms to 20K ohms Resistance Values



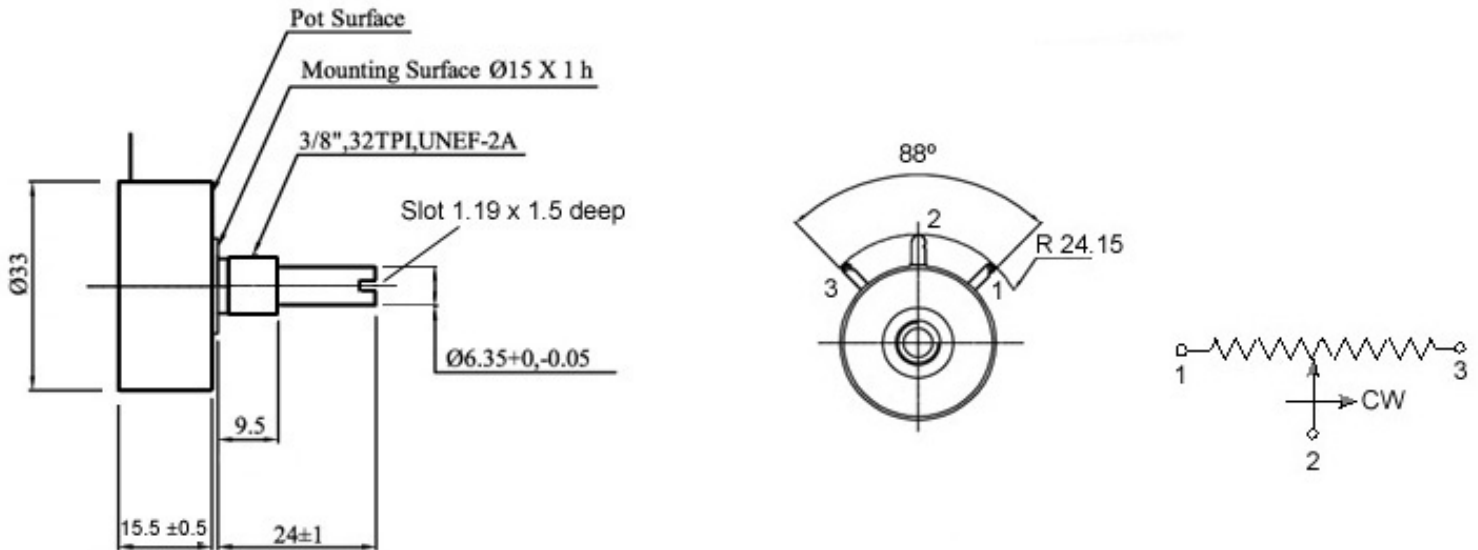
Excellent linearity and resistance tolerance with good rotational life at a very low cost makes this industrial grade potentiometer an ideal choice for manual control applications. Many options available.

Electrical Specifications	R33W	R33WC
Electrical Angle	270° ±5°	350° ±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	280° ±5°	360° (continuous)
Maximum Operating Torque	1.0 Oz-in.	
Life Expectancy	250,000 shaft revolutions	
Housing Diameter	33mm	
Bearing	sleeve	
Environmental Specifications		
Operating Temperature	-30°C to +105°C	
Standards	IEC 393	
Protection Grade	IP40 (IP65 optional)	
Materials		
Housing	Thermoplast	
Shaft	Stainless steel	
Bushing	Brass	
Terminals	Brass, gold plated	

Resolution Chart

Resistance Value (ohms)	Resolution (%)
50	0.352
100	0.316
200	0.270
500	0.217
1K	0.165
2K	0.135
5K	0.119
10K	0.100
20K	0.085

Dimensions (mm)



Options

- Sealed (IP65)
- Special Shaft Machining
- Special Resistance Values
- Special Operating Angles
- Custom Cables, Connectors
- Tighter Tolerances
- Multiple Gangs (up to 3)
- Rear Shaft Extension
- More

P3 America

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

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

www.p3america.com

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