


BOURNS
INC

Models 271-273-275 TRIMIT® Potentiometers Commercial Wirewound Element

FEATURES

- Low cost commercial potentiometer.
- Ideal for industrial controls and laboratory type applications.
- Operating temperature range -55° to $+105^{\circ}\text{C}$.
- Power rating 0.5 watt at room temperature.
- 25-turn screwdriver adjustment for precise electrical settings.
- Self-locking shaft for stable electrical settings.

Actual size



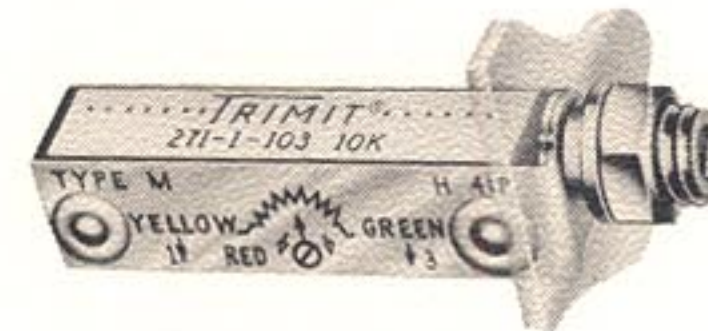
Model 271
L - Terminals



Model 273
S - Terminals



Model 275
P - Terminals



Panel Mount available Models 271/273①

STANDARD RESISTANCES

Resistance (ohms)	Part Numbers*			Nominal Resolution (percent)
	Model 271 Stranded Insulated Leads	Model 273 Solder Lugs	Model 275 Printed Circuit Pins	
10	271-1-100	273-1-100	275-1-100	2.70
20	271-1-200	273-1-200	275-1-200	2.16
50	271-1-500	273-1-500	275-1-500	1.65
100	271-1-101	273-1-101	275-1-101	1.32
200	271-1-201	273-1-201	275-1-201	1.06
500	271-1-501	273-1-501	275-1-501	0.80

SPECIAL RESISTANCES AVAILABLE FROM 10 TO 50,000 OHMS

① When ordering Panel Mount Model, add "M" to part number. Example:
273-1-202M. See Panel Mount Bulletin for additional details.

Resistance (ohms)	Part Numbers*			Nominal Resolution (percent)
	Model 271 Stranded Insulated Leads	Model 273 Solder Lugs	Model 275 Printed Circuit Pins	
1,000	271-1-102	273-1-102	275-1-102	0.64
2,000	271-1-202	273-1-202	275-1-202	0.52
5,000	271-1-502	273-1-502	275-1-502	0.41
10,000	271-1-103	273-1-103	275-1-103	0.34
20,000	271-1-203	273-1-203	275-1-203	0.29
50,000	271-1-503	273-1-503	275-1-503	0.22

*The last three digits of the part number represent the resistance in standard code.

OBSOLETE

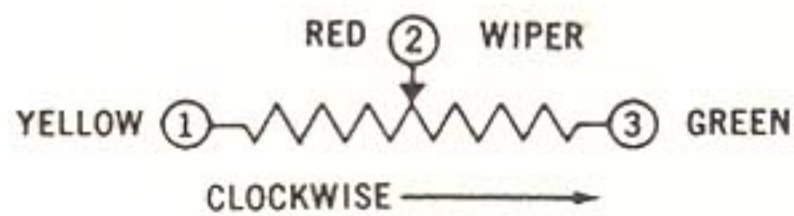
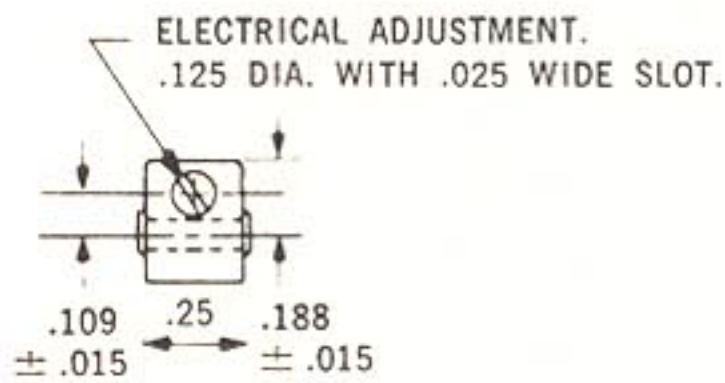
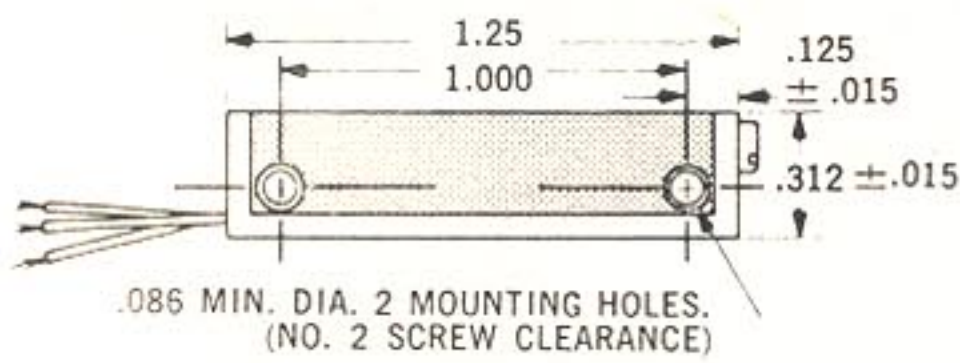
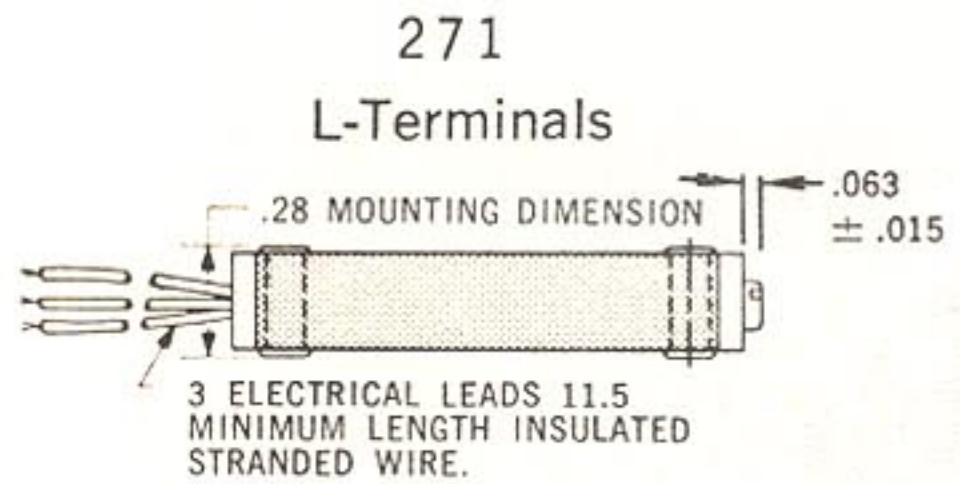
Model 271-273-275 TRIMIT® Potentiometers

SPECIFICATIONS

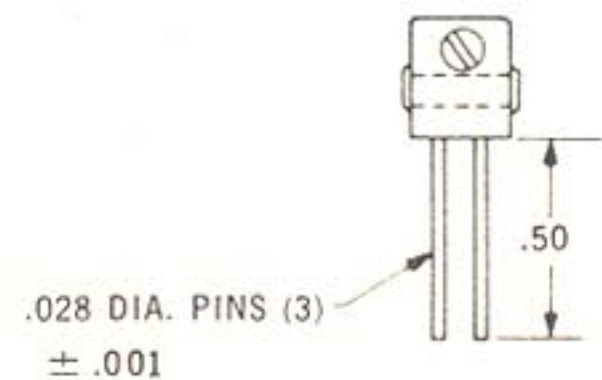
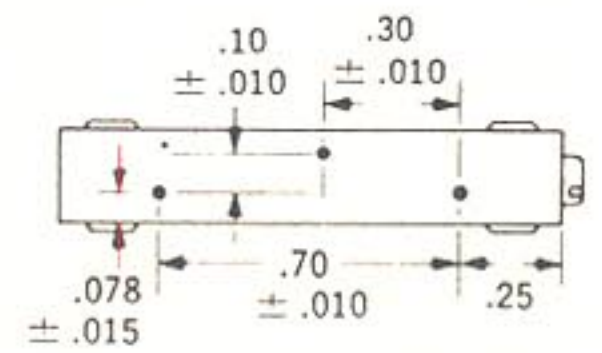
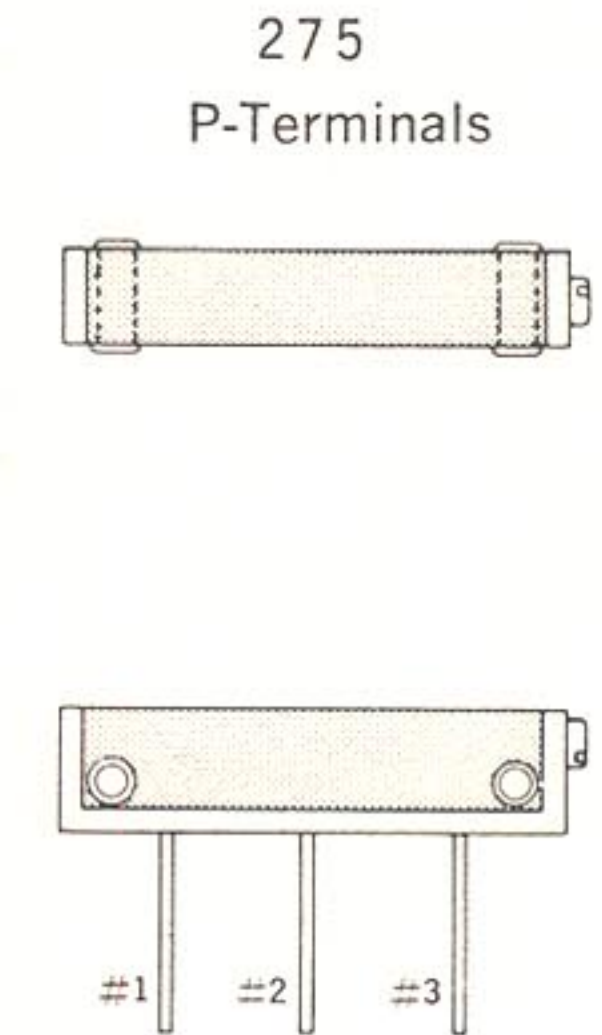
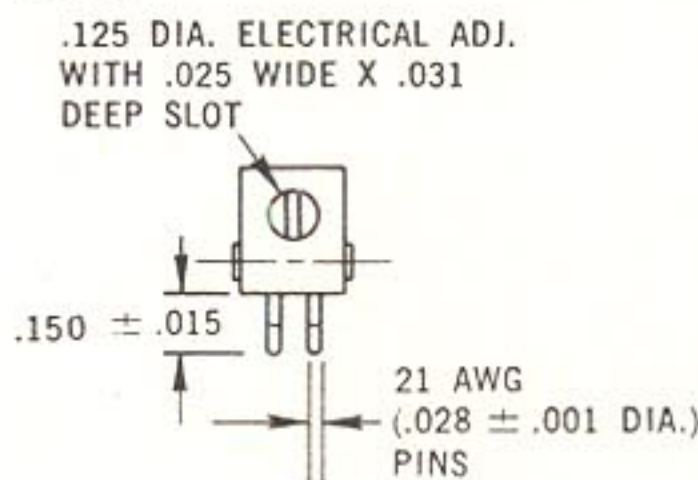
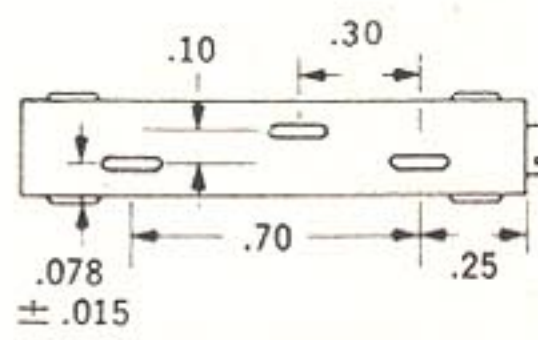
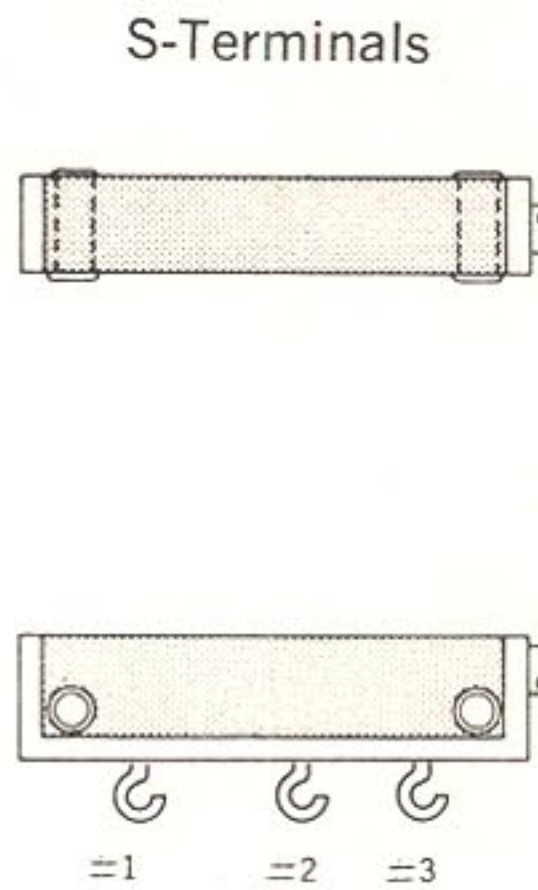
Standard Resistance Range 10 to 50,000 ohms
 Resistance Tolerance $\pm 10\%$
 Absolute Minimum Resistance 0 to 2.0%
 Dielectric Strength 500 volts AC minimum
 Operating Temperature Range -55° to $+105^{\circ}\text{C}$
 Temperature Coefficient of Resistance Wire 20 ppm/ $^{\circ}\text{C}$ maximum
 Power Rating 0.5 watt at room temperature derated to zero watt at $+105^{\circ}\text{C}$
 Mechanical Adjustment 25 turns nominal
 Vibration 10Gs to 2,000 Hz.
 Shock 20Gs, 11 milliseconds

Adjustment Shaft Self-locking
 Mechanical Stops None (wiper assembly idles)
 Enclosure Not sealed
 Terminals:
 Model 271 Stranded, insulated leads, 30 AWG (0.024 O.D.)
 7 Strands/38 AWG
 Model 273 Solder lugs
 Model 275 Gold plated grade A nickel printed circuit pins
 Markings Manufacturer's name, wiring diagram, resistance, and manufacturer's part number.

Specifications are subject to change without notice.



TOLERANCES: DECIMAL .XX $\pm .015$.XXX $\pm .005$



OBSOLETE

