


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.

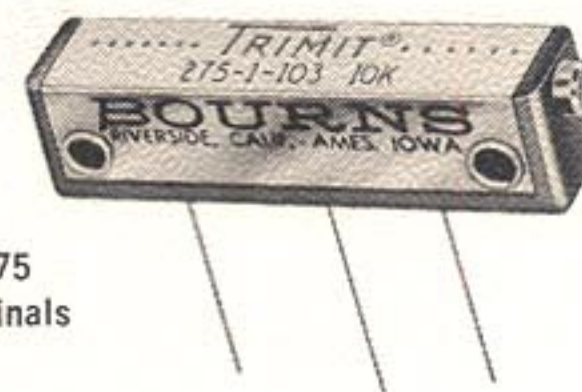
Actual size



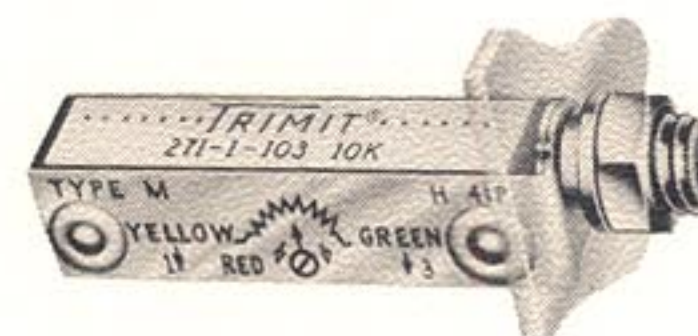
Model 271
L - Terminals



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

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L-Terminals

Diagram of L-Terminal side view. Dimensions: .28 MOUNTING DIMENSION, .063 $\pm .015$. Text: 3 ELECTRICAL LEADS 11.5 MINIMUM LENGTH INSULATED STRANDED WIRE.

Diagram of L-Terminal top view. Dimensions: 1.25, 1.000, .125 $\pm .015$, .312 $\pm .015$. Text: .086 MIN. DIA. 2 MOUNTING HOLES. (NO. 2 SCREW CLEARANCE).

Diagram of L-Terminal electrical adjustment. Text: ELECTRICAL ADJUSTMENT. .125 DIA. WITH .025 WIDE SLOT. Dimensions: .109 $\pm .015$, .25 $\pm .015$, .188 $\pm .015$.

Diagram of L-Terminal wiring diagram. Text: RED ② WIPER, YELLOW ①, GREEN ③, CLOCKWISE. A zigzag line connects the three terminals.

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

S-Terminals

Diagram of S-Terminal side view.

Diagram of S-Terminal top view. Dimensions: #1, #2, #3.

Diagram of S-Terminal electrical adjustment. Dimensions: .10, .30, .078 $\pm .015$, .70, .25.

.125 DIA. ELECTRICAL ADJ.
WITH .025 WIDE X .031
DEEP SLOT

Diagram of S-Terminal electrical adjustment detail. Dimensions: .150 $\pm .015$, 21 AWG (.028 $\pm .001$ DIA.) PINS.

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P-Terminals

Diagram of P-Terminal side view.

Diagram of P-Terminal top view. Dimensions: #1, #2, #3.

Diagram of P-Terminal electrical adjustment. Dimensions: .10 $\pm .010$, .30 $\pm .010$, .078 $\pm .015$, .70 $\pm .010$, .25.

Diagram of P-Terminal electrical adjustment detail. Dimensions: .028 DIA. PINS (3), .50 $\pm .001$.



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