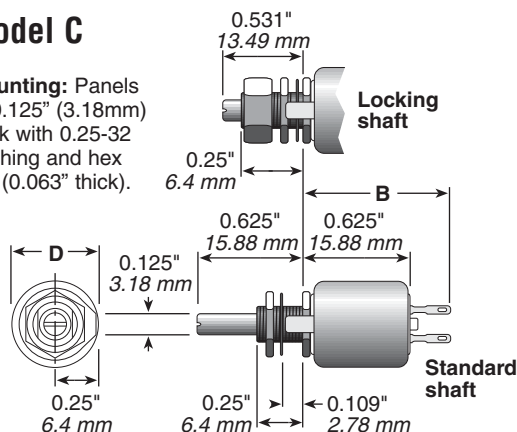


Rheostats

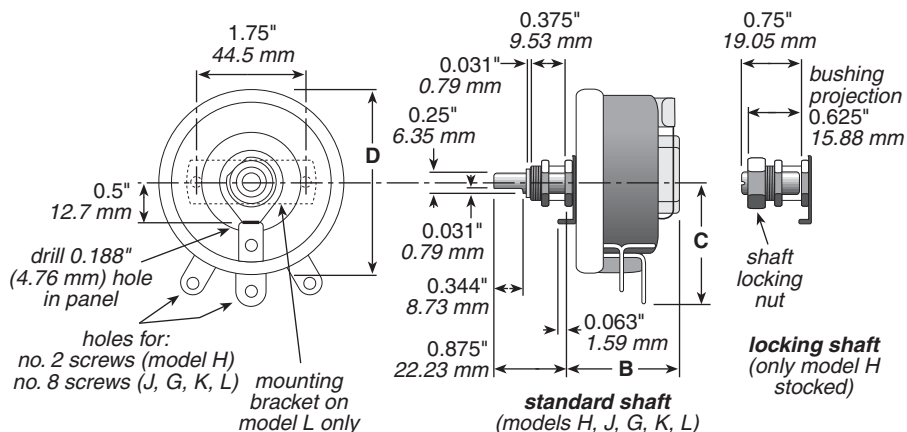
(Potentiometers) Wirewound

Model C

Mounting: Panels to 0.125" (3.18mm) thick with 0.25-32 bushing and hex nut (0.063" thick).



Models H, J, G, K, L



Mounting: Panels to 0.25" (6.35mm) thick with 0.375-32 bushing and hex nut (0.094" thick) (or with 10-32 x 0.75 F.H. screws for model L only).

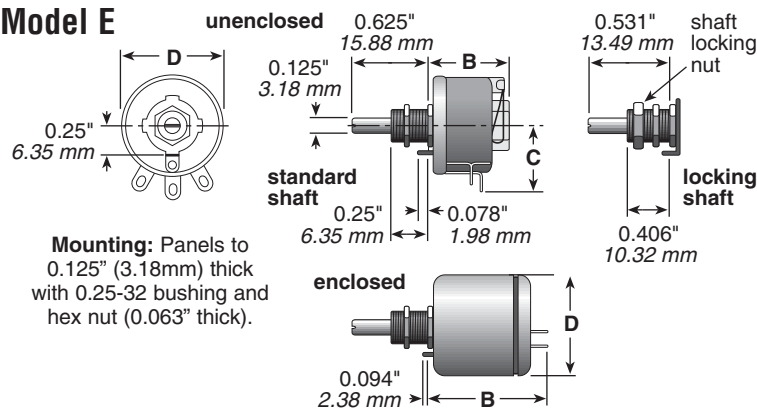
Dimensions for reference only; consult factory for details.

Since all rheostats/potentiometers are electro-mechanical devices, they are subject to mechanical wear and, therefore, have a finite life.

Models H, J, K, L and N are listed under UL Reexamination Service File No. E-10946 and CSA File No. 21309 unless noted otherwise.

All rheostats are 10% tolerance.

Model E



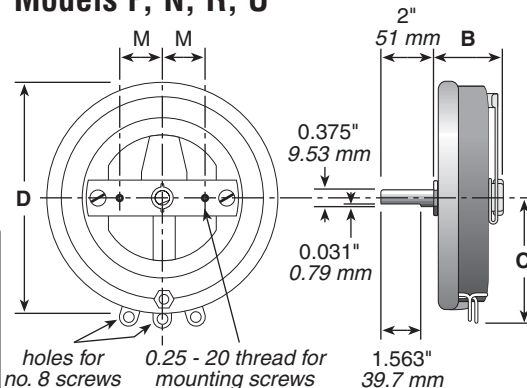
Mounting: Panels to 0.125" (3.18mm) thick with 0.25-32 bushing and hex nut (0.063" thick).

Dimension "M"

P	0.875"	22.23 mm
N	1.188"	30.16 mm
R	1.5"	38.1 mm
U	3"	76.2 mm

Mounting: Panels to 1.25" (31.75mm) thick with 0.25-20 flat-head screws.

Models P, N, R, U



ORDERING INFORMATION

Series					E = RoHS compliant
Rheostats					
Wirewound					
Potentiometers					
R C S R 5 0 E					
Code	Watts	Model	Shaft	Core	Resistance Value*
CL =	7.5	C	Locking	Enclosed	Example:
CS =	7.5	C	Standard	Enclosed	R50 = 0.50Ω
EE =	12.5	E	Standard	Enclosed	1R0 = 1Ω
EL =	12.5	E	Locking	Open	7R5 = 7.5Ω
ES =	12.5	E	Standard	Open	250 = 250Ω
GS =	75	G	Standard	Open	1K0 = 1,000Ω
HL =	25	H	Locking	Open	1K75 = 1,750Ω
HS =	25	H	Standard	Open	4K5 = 4,500Ω
JS =	50	J	Standard	Open	50K = 50,000Ω
KS =	100	K	Standard	Open	
LS =	150	L	Standard	Open	
NS =	300	N	Standard	Open	
PS =	225	P	Standard	Open	
RS =	500	R	Standard	Open	
US =	1000	U	Standard	Open	

**Check Table for Standard Resistance Values and Maximum Current Values*

*Check Table for Standard Resistance Values and Maximum Current Values

See page 93 for knobs, dials, and other hardware

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (ln./mm)	Diameter "D" (ln./mm)	Dimension "C" (ln./mm)	Shaft torque	Rotation (±5°)
E	RES/REL	12.5	1.0-15K	open	305	0.688/17.46	0.875/ 22.23	0.594/15.08	1-6 oz. in.	300°
H	RHS/RHL	25	1.0-25K	open	500	1.375/34.93	1.560/ 39.62	0.940/23.88	0.25-0.5 lb. in.	300°
J	RJS	50	0.5-50K	open	750	1.375/34.93	2.31 / 58.67	1.56 /39.62	0.25-2 lb. in.	300°
G	RGS	75	0.5-50K	open	900	1.750/44.45	2.75 / 69.25	1.78 /45.21	0.5-2 lb. in.	300°
K	RKS	100	0.5-50K	open	1000	1.750/44.45	3.125/ 79.38	1.91 /48.51	0.5-2 lb. in.	300°
L	RLS	150	0.5-50K	open	1200	2.000 / 50.8	4.00 /101.60	2.28 /57.91	0.5-3 lb. in.	300°
P	RPS	225	1.0-30K	open	1300	2.125/53.98	5.00 /127.00	2.97 /75.44	2.5-4 lb. in.	310°
N	RNS	300	1.0-50K	open	1225	2.375/60.33	6.00 /152.40	3.44 /87.38	2.5-5 lb. in.	320°
R	RRS	500	1.0-20K	open	1450	2.125/53.98	8.00 /203.20	4.31/109.47	4.5-7 lb. in.	325°
U	RUS	1000	1.0-20K	open	1600	3.000 / 76.2	12.00 /304.80	6.38/162.05	3.5-7 lb. in.	335°
C	RCS/RCL	7.5	10.0-5K	enclosed	305	0.875/22.23	0.515/ 13.08	—	0.25-3 oz. in.	300°
E	REE	12.5	1.0-15K	enclosed	305	1.219/30.96	1.047/ 26.59	—	1-6 oz. in.	300°

• Models H, J, G, and K also available in enclosed versions.

• See Catalog #203 for complete details.

• RoHS compliant product available. Add "E" suffix to part number to specify.

• Made-to-order rheostats available: Contact nearest Ohmite sales office.

* Voltage rating dependent on resistance value.

STANDARD PART NUMBERS FOR RHEOSTATS

Ohmic value	Part No. Prefix □ Suffix □	7.5W Model C			12.5W Model E			25W Model H			50W Model J	75W Model G	100W Model K	150W Model L	225W Model P	300W Model N	500W Model R	1000W Model U
		Std. shaft RCS — Locking RCL — Amps max.			Std. shaft RES — Locking REL — Enclosed REE — Amps max.			Std. shaft RHS — Locking RHL — Amps max.			Amps max. RJS —	Amps max. RGS —	Amps max. RKS —	Amps max. RLS —	Amps max. RPS —	Amps max. RNS —	Amps max. RRS —	Amps max. RUS —
0.5 —R50											✓ 10.0	✓ 12.3	✓ 14.1	✓ 17.3				
1 —1R0					✓	✓	✓	✓	✓	✓	✓ 7.07	✓ 8.66	✓ 10	✓ 12.3	✓ 15.0	✓ 17.32	✓ 22.3	✓ 31.6
1.5 —1R5																	✓ 18.2	✓ 25.8
2 —2R0					✓	✓	✓	✓	✓	✓	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8	✓ 22.4
2.5 —2R5					✓	✓	✓	✓	✓	✓							✓ 14.1	✓ 20.0
3 —3R0					✓	✓	✓	✓	✓	✓		✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3
4 —4R0											✓ 3.53				✓ 7.50	✓ 8.66	✓ 11.2	✓ 15.8
5 —5R0					✓	✓	✓					✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71	✓ 7.75	✓ 10.0	✓ 14.1
6 —6R0					✓	✓	✓	✓	✓	✓	✓ 2.88							
7.5 —7R5												✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32		
8 —8R0					✓	✓	✓	✓	✓	✓	✓ 2.50						✓ 7.90	✓ 11.2
10 —10R	✓	✓	0.86		✓	✓	✓	✓	✓	✓		✓ 2.74	✓ 3.16	✓ 3.88	✓ 4.74	✓ 5.48		✓ 10.0
12 —12R											✓ 2.04							
12.5 —12R5																	✓ 6.30	✓ 8.95
15 —15R	✓	✓	0.71		✓	✓	✓	✓	✓	✓				✓ 3.163	✓ 3.87	✓ 4.47		
16 —16R											✓ 1.76	✓ 2.17	✓ 2.50				✓ 5.60	✓ 7.90
22 —22R											✓ 1.50							
25 —25R	✓	✓	0.55		✓	✓	✓	✓	✓	✓		✓ 1.73	✓ 2.0	✓ 2.450	✓ 3.00	✓ 3.46	✓ 4.47	✓ 6.33
35 —35R	✓	✓	0.46		✓	✓	✓	✓	✓	✓	✓ 1.19			✓ 2.070			✓ 3.54	
40 —40R																		
50 —50R	✓	✓	0.39		✓	✓	✓	✓	✓	✓	✓ 1.00	✓ 1.23	✓ 1.41	✓ 1.735	✓ 2.12	✓ 2.45	✓ 3.16	✓ 4.47
75 —75R	✓	✓	0.32		✓	✓	✓	✓	✓	✓		✓ 1.00	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00	✓ 2.52	✓ 3.65
80 —80R											✓ 0.790						✓ 2.52	
100 —100	✓	✓	0.27		✓	✓	✓	✓	✓	✓		✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73		✓ 3.16
125 —125					✓	✓	✓	✓	✓	✓	✓ 0.630						✓ 2.00	
150 —150	✓	✓	0.22		✓	✓	✓	✓	✓	✓	✓ 0.575			✓ 1.000	✓ 1.22	✓ 1.41		
160 —160																		
175 —175					✓	✓	✓	✓	✓	✓							✓ 1.69	✓ 2.39
200 —200	✓	✓	0.19		✓	✓	✓	✓	✓	✓		✓ 0.612	✓ 0.707	✓ 0.865	✓ 1.06	✓ 1.22		✓ 2.11
225 —225											✓ 0.470							
250 —250	✓	✓	0.17		✓	✓	✓	✓	✓	✓				✓ 0.775			✓ 1.41	
300 —300											✓ 0.408	✓ 0.500	✓ 0.575		✓ 0.866	✓ 1.00	✓ 1.24	✓ 1.83
325 —325																		
350 —350	✓	✓	0.15		✓	✓	✓	✓	✓	✓				✓ 0.655				✓ 1.48
400 —400												✓ 0.433	✓ 0.500		✓ 0.750	✓ 0.866		
500 —500	✓	✓	0.12		✓	✓	✓	✓	✓	✓	✓ 0.316	✓ 0.388	✓ 0.447	✓ 0.548			✓ 1.00	✓ 1.41
600 —600																		
700 —700															✓ 0.567	✓ 0.655		
750 —750	✓	✓	0.10		✓	✓	✓	✓	✓	✓		✓ 0.316	✓ 0.365	✓ 0.447			✓ 0.817	✓ 1.15
800 —800											✓ 0.250							
900 —900															✓ 0.500	✓ 0.578		
1000 —1K0	✓	✓	0.086		✓	✓	✓	✓	✓	✓	✓ 0.224	✓ 0.274	✓ 0.316			✓ 0.433	✓ 0.707	✓ 1.00
1200 —1K2																✓ 0.500		
1250 —1K25														✓ 0.346				
1500 —1K5	✓	✓	0.071		✓	✓	✓	✓	✓	✓		✓ 0.224	✓ 0.258		✓ 0.387	✓ 0.447	✓ 0.577	✓ 0.816
1600 —1K6											✓ 0.176							
1750 —1K75															✓ 0.358	✓ 0.414		
1800 —1K8														✓ 0.288				
2000 —2K0												✓ 0.194	✓ 0.224		✓ 0.336	✓ 0.387	✓ 0.500	
2250 —2K25														✓ 0.259				
2500 —2K5	✓	✓	0.055		✓	✓	✓	✓	✓	✓	✓ 0.141	✓ 0.173	✓ 0.200		✓ 0.300	✓ 0.346	✓ 0.447	✓ 0.633
3000 —3K0														✓ 0.224				
3500 —3K5	✓	✓	0.046		✓	✓	✓	✓	✓	✓	✓ 0.119							
4500 —4K5														✓ 0.182				
5000 —5K0	✓	✓	0.039		✓	✓	✓	✓	✓	✓	✓ 0.100	✓ 0.123	✓ 0.141					
7500 —7K5					✓	✓	✓	✓	✓	✓		✓ 0.100	✓ 0.115	✓ 0.141				
8000 —8K0											✓ 0.079							
10000 —10K					✓	✓	✓	✓	✓	✓	✓ 0.070	✓ 0.087	✓ 0.100	✓ 0.122				
12500 —12K5					✓	✓	✓	✓	✓	✓								
15000 —15K					✓	✓	✓	✓	✓	✓	✓ 0.058							
20000 —20K								✓	✓	✓	✓ 0.050							
25000 —25K								✓	✓	✓	✓ 0.045							
30000 —30K											✓ 0.041							
40000 —40K											✓ 0.035							
50000 —50K											✓ 0.032							

✓ = Standard values; check availability
Rheostats are silicone-ceramic coated at and
above the following ohmic values:
Model C: all Model G: 5000Ω
Model E: 750Ω Model K: 5000Ω
Model H: 2000Ω Model L: 7500Ω
Model J: 5000Ω

Check product availability at
www.ohmite.com