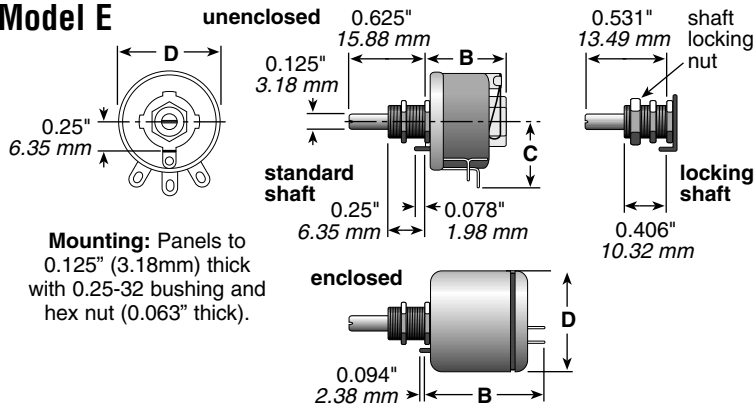
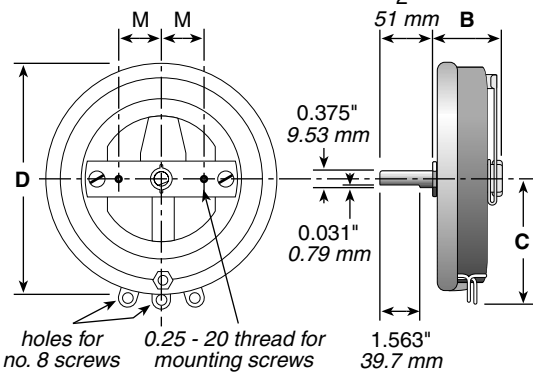


## Model E



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

## Models P, N, R, U



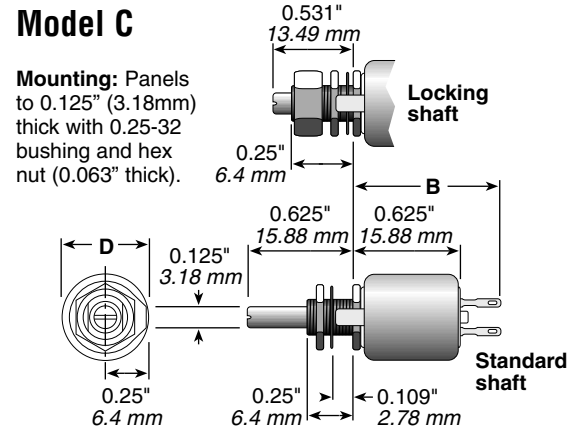
**Dimension "M"**

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.

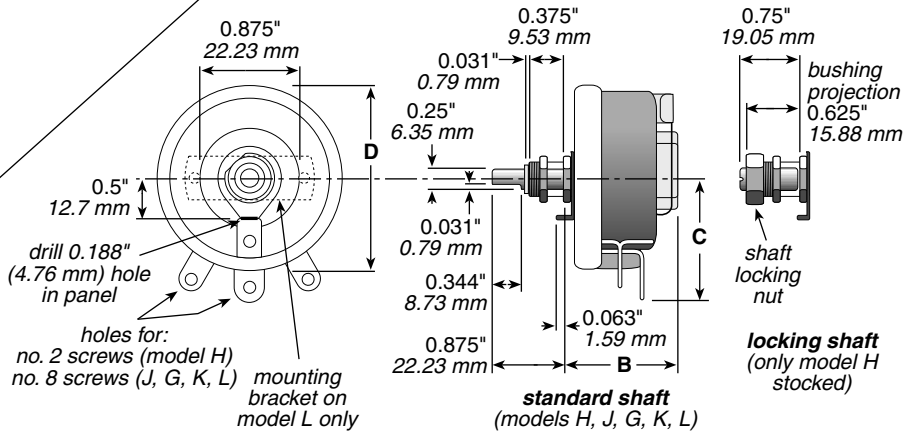
# Rheostats (Potentiometers) Wirewound

## 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).

See page 82 for knobs, dials, and other hardware

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.

## ORDERING INFORMATION

Series Rheostats Wirewound Potentiometers  
 E = RoHS compliant  
**RCSR50E**

Code	Watts	Model	Shaft	Core	Resistance Value*
CL =	7.5	C	Locking	Enclosed	Example: R50 = 0.50Ω
CS =	7.5	C	Standard	Enclosed	1R0 = 1Ω
EE =	12.5	E	Standard	Enclosed	7R5 = 7.5Ω
EL =	12.5	E	Locking	Open	250 = 250Ω
ES =	12.5	E	Standard	Open	1K0 = 1,000Ω
GS =	75	G	Standard	Open	1K75 = 1,750Ω
HL =	25	H	Locking	Open	4K5 = 4,500Ω
HS =	25	H	Standard	Open	50K = 50,000Ω
JS =	50	J	Standard	Open	
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

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (In./mm)	Diameter "D" (In./mm)	Dimension "C" (In./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 Jan. 2006 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
		RCS — Std. shaft Locking	RCL — Locking	Amps max.	RES — Std. shaft Locking	REL — Locking	REE — Enclosed	Amps max.	RHS — Std. shaft Locking	RHL — Locking	Amps max.	RJS — Amps max.	RGS — Amps max.	RKS — Amps max.	RLS — Amps max.	RPS — Amps max.	RNS — Amps max.	RRS — Amps max.
0.5 —R50											✓ 10.0	✓ 12.3	✓ 14.1	✓ 17.3				
1 —1R0					✓	✓	✓ 3.53	✓	✓	5.00	✓ 7.07	✓ 8.66	✓ 10	✓ 12.3	✓ 15.0	✓ 17.32	✓ 22.3	✓ 31.6
1.5 —1R5					✓	✓	✓ 3.53	✓	✓	5.00	✓ 7.07	✓ 8.66	✓ 10	✓ 12.3	✓ 15.0	✓ 17.32	✓ 22.3	✓ 31.6
2 —2R0					✓	✓	✓ 2.50	✓	✓	3.54	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8	✓ 22.4
2.5 —2R5					✓	✓	✓ 2.24	✓	✓	2.24	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8	✓ 22.4
3 —3R0					✓	✓	✓ 2.04	✓	✓	2.88	✓ 3.53	✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3
4 —4R0					✓	✓	✓ 2.04	✓	✓	2.88	✓ 3.53	✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3
5 —5R0					✓	✓	✓ 1.58	✓	✓	2.04	✓ 2.88	✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71	✓ 7.75	✓ 10.0	✓ 14.1
6 —6R0					✓	✓	✓ 1.44	✓	✓	2.04	✓ 2.88	✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71	✓ 7.75	✓ 10.0	✓ 14.1
7.5 —7R5					✓	✓	✓ 1.44	✓	✓	2.04	✓ 2.88	✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32		
8 —8R0					✓	✓	✓ 1.25	✓	✓	1.77	✓ 2.50	✓ 2.74	✓ 3.16	✓ 3.88	✓ 4.74	✓ 5.48	✓ 7.90	✓ 11.2
10 —10R	✓	✓	0.86	✓	✓	✓	1.12	✓	✓	1.58	✓ 2.04	✓ 2.74	✓ 3.16	✓ 3.88	✓ 4.74	✓ 5.48	✓ 7.90	✓ 11.2
12 —12R											✓ 2.04							✓ 10.0
12.5 —12R5											✓ 2.04						✓ 6.30	✓ 8.95
15 —15R	✓	✓	0.71	✓	✓	✓	0.91	✓	✓	1.29				✓ 3.163	✓ 3.87	✓ 4.47		✓ 8.95
16 —16R											✓ 1.76	✓ 2.17	✓ 2.50				✓ 5.60	✓ 7.90
22 —22R											✓ 1.50							✓ 7.90
25 —25R	✓	✓	0.55	✓	✓	✓	0.71	✓	✓	1.00		✓ 1.73	✓ 2.0	✓ 2.450	✓ 3.00	✓ 3.46	✓ 4.47	✓ 6.33
35 —35R	✓	✓	0.46	✓	✓	✓	0.60	✓	✓	0.845	✓ 1.19			✓ 2.070			✓ 3.54	✓ 6.33
40 —40R																	✓ 3.54	✓ 6.33
50 —50R	✓	✓	0.39	✓	✓	✓	0.50	✓	✓	0.707	✓ 1.00	✓ 1.23	✓ 1.41	✓ 1.735	✓ 2.12	✓ 2.45	✓ 3.16	✓ 4.47
75 —75R	✓	✓	0.32	✓	✓	✓	0.40	✓	✓	0.575	✓ 1.00	✓ 1.00	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00	✓ 3.16	✓ 4.47
80 —80R											✓ 0.790						✓ 2.52	✓ 3.65
100 —100	✓	✓	0.27	✓	✓	✓	0.36	✓	✓	0.500		✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73	✓ 3.16	✓ 4.47
125 —125							✓ 0.32	✓	✓	0.445	✓ 0.630						✓ 2.00	✓ 3.16
150 —150	✓	✓	0.22	✓	✓	✓	0.29				✓ 0.575			✓ 1.000	✓ 1.22	✓ 1.41		✓ 3.16
160 —160																		✓ 3.16
175 —175							✓ 0.27	✓	✓	0.375							✓ 1.69	✓ 2.39
200 —200	✓	✓	0.19	✓	✓	✓	0.25					✓ 0.612	✓ 0.707	✓ 0.865	✓ 1.06	✓ 1.22		✓ 2.39
225 —225											✓ 0.470							✓ 2.11
250 —250	✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316				✓ 0.775			✓ 1.41	✓ 2.11
300 —300											✓ 0.408	✓ 0.500	✓ 0.575		✓ 0.866	✓ 1.00	✓ 1.41	✓ 1.83
325 —325																	✓ 1.24	✓ 1.83
350 —350	✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267				✓ 0.655				✓ 1.48
400 —400												✓ 0.433	✓ 0.500		✓ 0.750	✓ 0.866		✓ 1.48
500 —500	✓	✓	0.12	✓	✓	✓	0.16	✓	✓	0.222	✓ 0.316	✓ 0.388	✓ 0.447	✓ 0.548			✓ 1.00	✓ 1.41
600 —600																		✓ 1.41
700 —700															✓ 0.567	✓ 0.655		✓ 1.41
750 —750	✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182		✓ 0.316	✓ 0.365	✓ 0.447			✓ 0.817	✓ 1.15
800 —800											✓ 0.250							✓ 1.15
900 —900															✓ 0.500	✓ 0.578		✓ 1.00
1000 —1K0	✓	✓	0.086	✓	✓	✓	0.10	✓	✓	0.155	✓ 0.224	✓ 0.274	✓ 0.316		✓ 0.433	✓ 0.500	✓ 0.707	✓ 1.00
1200 —1K2																		✓ 1.00
1250 —1K25														✓ 0.346				✓ 1.00
1500 —1K5	✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129		✓ 0.224	✓ 0.258	✓ 0.387	✓ 0.447	✓ 0.577	✓ 0.816	✓ 1.00
1600 —1K6											✓ 0.176							✓ 0.816
1750 —1K75															✓ 0.358	✓ 0.414		✓ 0.816
1800 —1K8														✓ 0.288				✓ 0.816
2000 —2K0												✓ 0.194	✓ 0.224		✓ 0.336	✓ 0.387	✓ 0.500	✓ 0.816
2250 —2K25														✓ 0.259				✓ 0.816
2500 —2K5	✓	✓	0.055	✓	✓	✓	0.070	✓	✓	0.100	✓ 0.141	✓ 0.173	✓ 0.200		✓ 0.300	✓ 0.346	✓ 0.447	✓ 0.633
3000 —3K0											✓ 0.141	✓ 0.173	✓ 0.200		✓ 0.300	✓ 0.346	✓ 0.447	✓ 0.633
3500 —3K5	✓	✓	0.046	✓	✓	✓	0.060	✓	✓	0.084	✓ 0.119							✓ 0.633
4500 —4K5														✓ 0.182				✓ 0.633
5000 —5K0	✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓ 0.100	✓ 0.123	✓ 0.141					✓ 0.633
7500 —7K5							✓ 0.041	✓	✓	0.058		✓ 0.100	✓ 0.115	✓ 0.141				✓ 0.633
8000 —8K0											✓ 0.079			✓ 0.141				✓ 0.633
10000 —10K							✓ 0.035	✓	✓	0.050	✓ 0.070	✓ 0.087	✓ 0.100	✓ 0.122				✓ 0.633
12500 —12K5							✓ 0.031	✓	✓	0.041	✓ 0.058							✓ 0.633
15000 —15K							✓ 0.029	✓	✓	0.041	✓ 0.058							✓ 0.633
20000 —20K								✓	✓	0.035	✓ 0.050							✓ 0.633
25000 —25K								✓	✓	0.032	✓ 0.045							✓ 0.633
30000 —30K								✓	✓	0.041	✓ 0.058							✓ 0.633
40000 —40K								✓	✓	0.035	✓ 0.045							✓ 0.633
50000 —50K								✓	✓	0.032	✓ 0.045							✓ 0.633

✓ = Standard values; check availability  
 Rheostats are silicone-ceramic coated at and above the following ohmic values:  
 Model C: all  
 Model E: 3500Ω  
 Model H: 7500Ω  
 Model J: 15,000Ω  
 Model G: 5000Ω  
 Model K: 7500Ω  
 Model L: 7500Ω

Check product availability at  
[www.ohmite.com](http://www.ohmite.com)