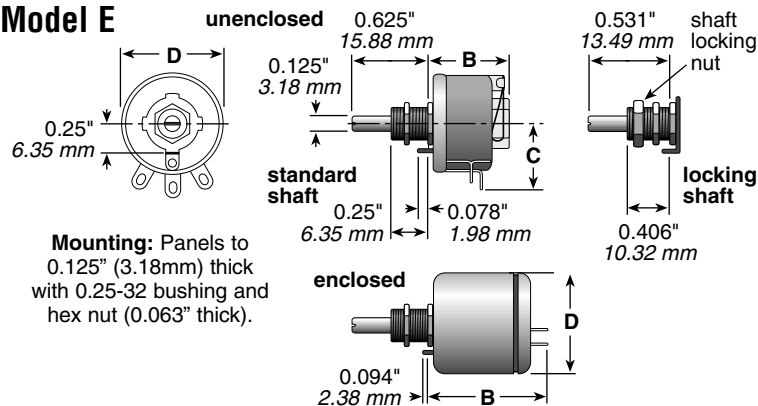


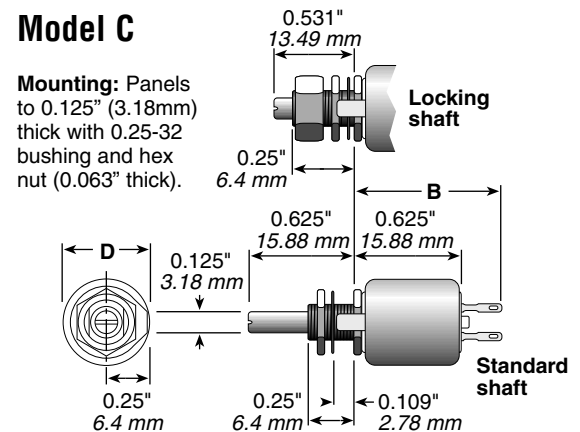
Model E



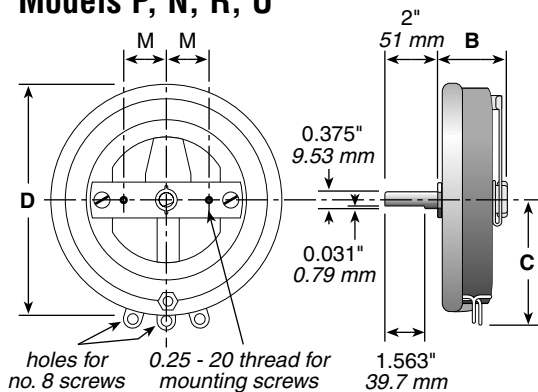
Mounting: Panels to 0.125" (3.18mm) thick with 0.25-32 bushing and hex nut (0.063" thick).

Rheostats (Potentiometers) Wirewound

Model C



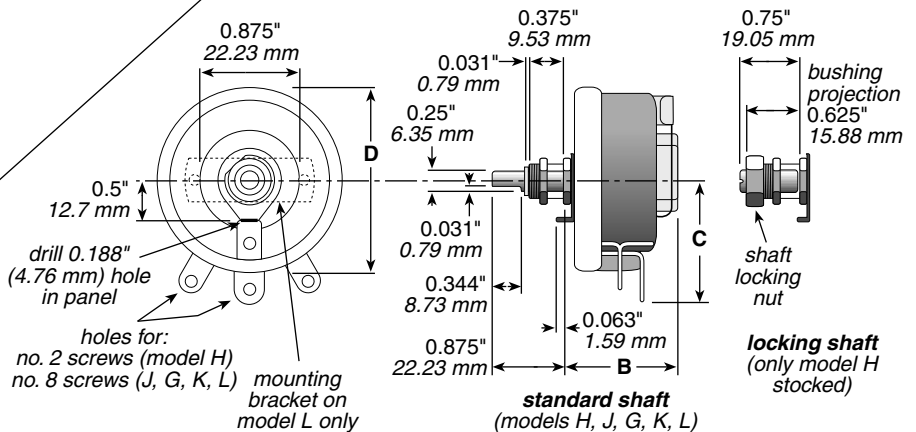
Models P, N, R, U



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.

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					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

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.
- RoHS compliant product available Jan. 2006 Add "E" suffix to part number to specify.
- See Catalog #203 for complete details.
- 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.	RUS 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																		✓ 18.2	✓ 25.8
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										✓ 14.1	✓ 20.0
3 —3R0					✓	✓	✓	2.04	✓	✓	2.88		✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3
4 —4R0												✓ 3.53		✓ 5.75	✓ 7.07	✓ 7.50	✓ 8.66	✓ 11.2	✓ 15.8
5 —5R0					✓	✓	✓	1.58					✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71	✓ 7.75	✓ 10.0	✓ 14.1
6 —6R0					✓	✓	✓	1.44	✓	✓	2.04	✓ 2.88							
7.5 —7R5													✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32		
8 —8R0					✓	✓	✓	1.25	✓	✓	1.77	✓ 2.50						✓ 7.90	✓ 11.2
10 —10R	✓	✓	0.86		✓	✓	✓	1.12	✓	✓	1.58		✓ 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		✓	✓	✓	0.91	✓	✓	1.29				✓ 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		✓	✓	✓	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	
40 —40R																			
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	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00	✓ 2.52	✓ 3.65
80 —80R												✓ 0.790						✓ 2.52	
100 —100	✓	✓	0.27		✓	✓	✓	0.36	✓	✓	0.500		✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73	✓ 2.00	✓ 3.16
125 —125					✓	✓	✓	0.32	✓	✓	0.445	✓ 0.630							
150 —150	✓	✓	0.22		✓	✓	✓	0.29				✓ 0.575			✓ 1.000	✓ 1.22	✓ 1.41		
160 —160																			
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		✓ 2.11
225 —225												✓ 0.470							
250 —250	✓	✓	0.17		✓	✓	✓	0.22	✓	✓	0.316		✓ 0.500	✓ 0.575	✓ 0.775	✓ 0.866	✓ 1.00	✓ 1.41	✓ 1.83
300 —300												✓ 0.408						✓ 1.24	
325 —325																			
350 —350	✓	✓	0.15		✓	✓	✓	0.19	✓	✓	0.267				✓ 0.655				✓ 1.48
400 —400													✓ 0.433	✓ 0.500	✓ 0.750	✓ 0.866			
500 —500	✓	✓	0.12		✓	✓	✓	0.16	✓	✓	0.222	✓ 0.316	✓ 0.388	✓ 0.447	✓ 0.548			✓ 1.00	✓ 1.41
600 —600																			
700 —700																✓ 0.567	✓ 0.655		
750 —750	✓	✓	0.10		✓	✓	✓	0.13	✓	✓	0.182		✓ 0.316	✓ 0.365	✓ 0.447			✓ 0.817	✓ 1.15
800 —800												✓ 0.250							
900 —900																✓ 0.500	✓ 0.578		
1000 —1K0	✓	✓	0.086		✓	✓	✓	0.10	✓	✓	0.155	✓ 0.224	✓ 0.274	✓ 0.316		✓ 0.433	✓ 0.500	✓ 0.707	✓ 1.00
1200 —1K2																			
1250 —1K25															✓ 0.346				
1500 —1K5	✓	✓	0.071		✓	✓	✓	0.090	✓	✓	0.129		✓ 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		✓	✓	✓	0.070	✓	✓	0.100	✓ 0.141	✓ 0.173	✓ 0.200		✓ 0.300	✓ 0.346	✓ 0.447	✓ 0.633
3000 —3K0															✓ 0.224				
3500 —3K5	✓	✓	0.046		✓	✓	✓	0.060	✓	✓	0.084	✓ 0.119							
4500 —4K5															✓ 0.182				
5000 —5K0	✓	✓	0.039		✓	✓	✓	0.050	✓	✓	0.070	✓ 0.100	✓ 0.123	✓ 0.141					
7500 —7K5					✓	✓	✓	0.041	✓	✓	0.058		✓ 0.100	✓ 0.115	✓ 0.141				
8000 —8K0												✓ 0.079							
10000 —10K					✓	✓	✓	0.035	✓	✓	0.050	✓ 0.070	✓ 0.087	✓ 0.100	✓ 0.122				
12500 —12K5					✓	✓	✓	0.031											
15000 —15K					✓	✓	✓	0.029	✓	✓	0.041	✓ 0.058							
20000 —20K									✓	✓	0.035	✓ 0.050							
25000 —25K									✓	✓	0.032	✓ 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 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

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