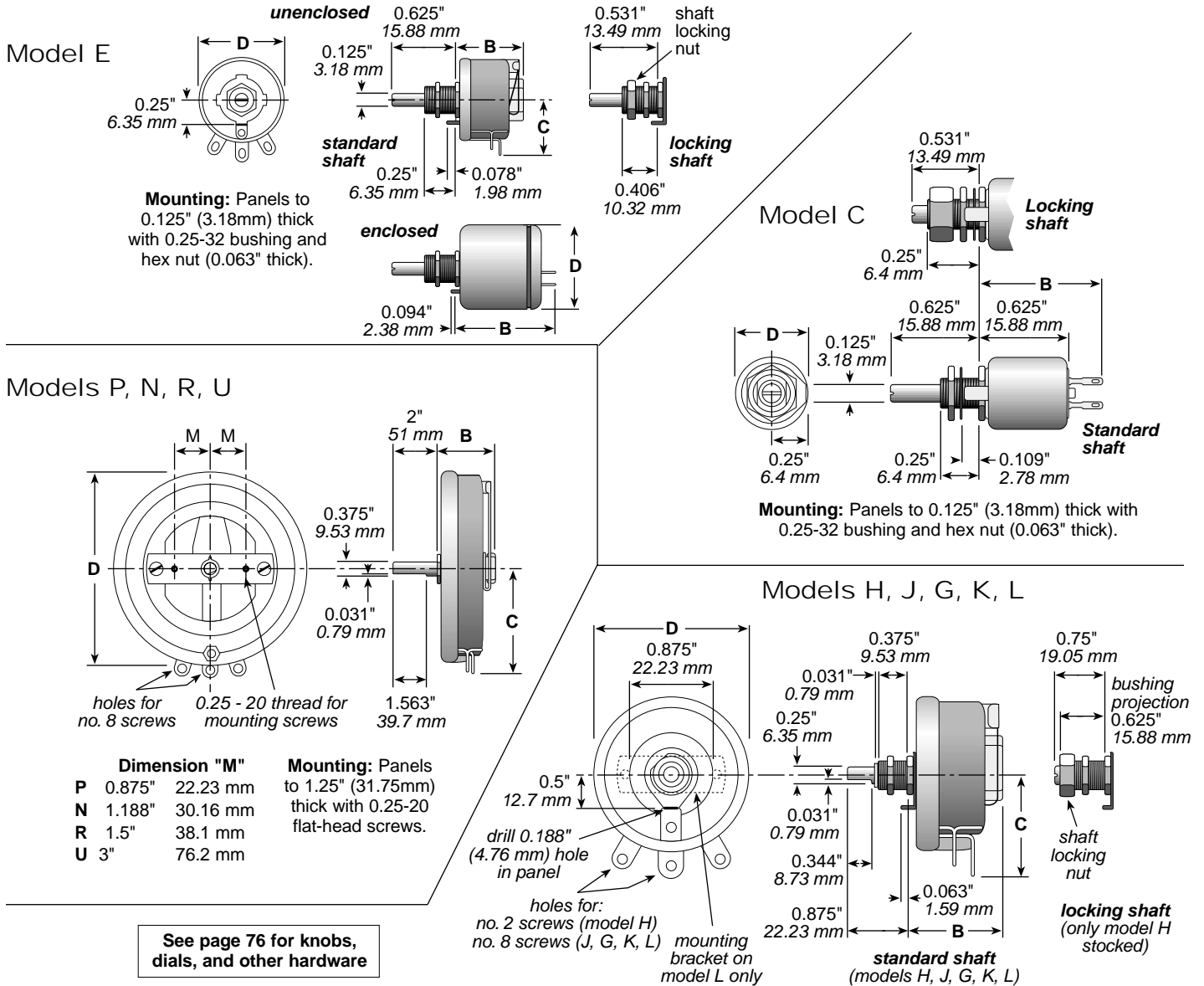


Rheostats

(Potentiometers) Wirewound



See page 76 for knobs, dials, and other hardware

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

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).

Model	Type	Watts	Ohmic range	Core	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.

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

STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

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.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	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																		
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			✱ 5.00	✱ 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				✱ 3.16	✱ 3.65	✱ 4.47	✱ 5.49	✱ 6.32				
7.5 ---7R5																		
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												
12 ---12R																		
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						
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						
40 ---40R																✱ 3.54		
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												
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			
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				
225 ---225						⊕ 0.470												✱ 2.11
250 ---250	✱ ✱ 0.17			⊕ ✱ ✱ 0.22	⊕ ✱ ✱ 0.316							✱ 0.775	✱ 0.866	✱ 1.00	✱ 1.41	✱ 1.83		
300 ---300						✓ 0.408				✱ 0.500	✱ 0.575							
325 ---325																✱ 1.24		
350 ---350	✱ ✱ 0.15			✓ ✱ ✱ 0.19	✓ ✱ ✱ 0.267							✱ 0.655						
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														✱ 0.567	✱ 0.655			
700 ---700																		
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	✱ 0.707	✱ 1.00	
1000 ---1K0	✱ ✱ 0.086			⊕ ✱ ✱ 0.10	⊕ ✱ ✱ 0.155	⊕ 0.224				✱ 0.274	✱ 0.316		✱ 0.433	✱ 0.500				
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		✱ 0.300	✱ 0.346	✱ 0.447	✱ 0.633		
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												

⊕ = Most popular stock values
 ✓ = Stock values
 ✱ = Non-stock values subject to minimum handling charge per item
 Rheostats are silicone-ceramic coated at and above the following ohmic values:
 Model C: all | Model G: 5000 |
 Model E: 3500 | Model K: 7500 |
 Model H: 7500 | Model L: 7500 |
 Model J: 15,000 |