

Rheostats

(Potentiometers) Wirewound



MODEL C

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	Shaft torque	Rotation (±5°)
C RCS/RCL	7.5	10.0-5K	enclosed	305	0.875/22.23	0.515/ 13.08	—	0.25-3 oz. in.	300°

• See Catalog #203 for complete details.



MODEL E

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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°
E REE	12.5	1.0-15K	enclosed	305	1.219/30.96	1.047/ 26.59	—	1-6 oz. in.	300°

• See Catalog #203 for complete details.



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 File No. E-10946 and CSA File No. 21309 unless noted otherwise.

All rheostats are 10% tolerance.

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MODELS H, J, G, K, L

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	Shaft torque	Rotation (±5°)
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°

- Models H, J, G, and K also available in enclosed versions.
- See Catalog #203 for complete details.



Mounting: Panels to 0.25" (6.35mm) thick with 3/8-32 bushing and hex nut (3/32" thick) (or with 10-32 x 0.75 flat-head screws for model L only).

MODELS P, N, R, U

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	Shaft torque	Rotation (±5°)
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°

- See Catalog #203 for complete details.



(continued)

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ORDERING INFORMATION

Code	Watts	Model	Shaft	Core
CL	7.5	C	Locking	Enclosed
CS	7.5	J	Standard	Enclosed
EE	12.5	CC	Standard	Enclosed
EL	12.5	J	Locking	Open
ES	12.5	C	Standard	Open
GS	75	CC	Standard	Open
HL	25	C	Locking	Open
HJ	25	J	Standard	Open
JS	50	C	Standard	Open
KS	100	C	Standard	Open
LS	150	C	Standard	Open
NS	300	C	Standard	Open
PS	225	C	Standard	Open
RS	500	C	Standard	Open
US	1000	C	Standard	Open



Resistance Value*
 Example:
 R50 = 0.50Ω
 1R0 = 1Ω
 7R5 = 7.5Ω
 250 = 250Ω
 1K0 = 1,000Ω
 1K75 = 1,750Ω
 4K5 = 4,500Ω
 50K = 50,000Ω

- 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.

*Check table for standard resistance values and maximum current 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	
		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			✓	✓	✓	3.53	✓	✓	5.00	✓	✓	12.3	✓	✓	✓	✓	✓	✓
1	1R0										✓	✓	8.66	✓	✓	✓	✓	✓	✓
1.5	1R5												10	✓	✓	✓	✓	✓	✓
2	2R0										✓	✓	6.12	✓	✓	✓	✓	✓	✓
2.5	2R5												7.07	✓	✓	✓	✓	✓	✓
3	3R0												5.00	✓	✓	✓	✓	✓	✓
4	4R0										✓	✓	3.53	✓	✓	✓	✓	✓	✓
5	5R0												3.88	✓	✓	✓	✓	✓	✓
6	6R0												2.88	✓	✓	✓	✓	✓	✓
7.5	7R5												3.16	✓	✓	✓	✓	✓	✓
8	8R0										✓	✓	2.50	✓	✓	✓	✓	✓	✓
10	10R	✓	✓	0.86	✓	✓	✓	1.12	✓	✓	✓	✓	2.74	✓	✓	✓	✓	✓	✓
12	12R												2.04						
12.5	12R5																		
15	15R	✓	✓	0.71	✓	✓	✓	0.91	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
16	16R												1.76	✓	✓	✓	✓	✓	✓
22	22R												1.50	✓	✓	✓	✓	✓	✓
25	25R	✓	✓	0.55	✓	✓	✓	0.71	✓	✓	✓	✓	1.73	✓	✓	✓	✓	✓	✓
35	35R	✓	✓	0.46	✓	✓	✓	0.60	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
40	40R												1.19	✓	✓	✓	✓	✓	✓
50	50R	✓	✓	0.39	✓	✓	✓	0.50	✓	✓	✓	✓	1.00	✓	✓	✓	✓	✓	✓
75	75R	✓	✓	0.32	✓	✓	✓	0.40	✓	✓	✓	✓	1.23	✓	✓	✓	✓	✓	✓
80	80R												0.790						
100	100	✓	✓	0.27	✓	✓	✓	0.36	✓	✓	✓	✓	0.866	✓	✓	✓	✓	✓	✓
125	125												0.630						
150	150	✓	✓	0.22	✓	✓	✓	0.29	✓	✓	✓	✓	0.575	✓	✓	✓	✓	✓	✓
160	160																		
175	175																		
200	200	✓	✓	0.19	✓	✓	✓	0.25	✓	✓	✓	✓	0.375	✓	✓	✓	✓	✓	✓
225	225																		
250	250	✓	✓	0.17	✓	✓	✓	0.22	✓	✓	✓	✓	0.316	✓	✓	✓	✓	✓	✓
300	300												0.408						
325	325																		
350	350	✓	✓	0.15	✓	✓	✓	0.19	✓	✓	✓	✓	0.267	✓	✓	✓	✓	✓	✓
400	400																		
500	500	✓	✓	0.12	✓	✓	✓	0.16	✓	✓	✓	✓	0.316	✓	✓	✓	✓	✓	✓
600	600																		
700	700																		
750	750	✓	✓	0.10	✓	✓	✓	0.13	✓	✓	✓	✓	0.182	✓	✓	✓	✓	✓	✓
800	800												0.250						
900	900																		
1000	1K0	✓	✓	0.086	✓	✓	✓	0.10	✓	✓	✓	✓	0.224	✓	✓	✓	✓	✓	✓
1200	1K2																		
1250	1K25																		
1500	1K5	✓	✓	0.071	✓	✓	✓	0.090	✓	✓	✓	✓	0.224	✓	✓	✓	✓	✓	✓
1600	1K6																		
1750	1K75												0.176						
1800	1K8																		
2000	2K0																		
2250	2K25																		
2500	2K5	✓	✓	0.055	✓	✓	✓	0.070	✓	✓	✓	✓	0.141	✓	✓	✓	✓	✓	✓
3000	3K0																		
3500	3K5	✓	✓	0.046	✓	✓	✓	0.060	✓	✓	✓	✓	0.119	✓	✓	✓	✓	✓	✓
4500	4K5																		
5000	5K0	✓	✓	0.039	✓	✓	✓	0.050	✓	✓	✓	✓	0.100	✓	✓	✓	✓	✓	✓
7500	7K5																		
8000	8K0																		
10000	10K																		
12500	12K5																		
15000	15K																		
20000	20K																		
25000	25K																		
30000	30K																		
40000	40K																		
50000	50K																		

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