

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.



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 1/4-20 flat-head screws.

(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	C	Standard	Enclosed
EL	12.5	CC	Locking	Open
ES	12.5	CC	Standard	Open
GS	75	CC	Standard	Open
HL	25	H	Locking	Open
HS	25	H	Standard	Open
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



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	
		Std. shaft	Locking	Amps max.	Std. shaft	Locking	Enclosed	Amps max.	Std. shaft	Locking	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.
		RCS	RCL		RES	REL	REE		RHS	RHL		RJS	RGS	RKS	RLS	RPS	RNS	RRS	RUS
0.5	R50			✓	✓	✓	3.53	✓	✓	5.00	✓	✓	✓	✓	✓	✓	✓	✓	✓
1	1R0										✓	12.3	✓	17.3	✓	17.32	✓	22.3	✓
1.5	1R5											✓	✓	✓				✓	✓
2	2R0						2.50	✓	✓	3.54	✓	6.12	✓	8.65	✓	12.24	✓	15.8	✓
2.5	2R5						2.24	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
3	3R0						2.04	✓	✓	2.88		✓	✓	✓	✓	✓	✓	✓	✓
4	4R0										✓	5.00	✓	7.07	✓	8.66	✓	10.00	✓
5	5R0						1.58	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
6	6R0						1.44	✓	✓	2.04		✓	✓	✓	✓	✓	✓	✓	✓
7.5	7R5											✓	✓	✓	✓	✓	✓	✓	✓
8	8R0						1.25	✓	✓	1.77	✓	2.50		✓	✓	✓	✓	✓	✓
10	10R	✓	✓	0.86			1.12	✓	✓	1.58	✓	2.04	✓	2.74	✓	3.16	✓	3.88	✓
12	12R																		✓
12.5	12R5																		✓
15	15R	✓	✓	0.71			0.91	✓	✓	1.29				✓	3.163	✓	3.87	✓	4.47
16	16R										✓	1.76		✓	2.50			✓	5.60
22	22R										✓	1.50		✓	2.17			✓	7.90
25	25R	✓	✓	0.55			0.71	✓	✓	1.00	✓	1.73		✓	2.0	✓	3.00	✓	3.46
35	35R	✓	✓	0.46			0.60	✓	✓	0.845	✓	1.19		✓	2.450	✓	3.46	✓	4.47
40	40R													✓	2.070			✓	6.33
50	50R	✓	✓	0.39			0.50	✓	✓	0.707	✓	1.00		✓	1.735	✓	2.45	✓	3.54
75	75R	✓	✓	0.32			0.40	✓	✓	0.575	✓	1.23		✓	1.415	✓	2.45	✓	4.47
80	80R										✓	0.790		✓	1.73	✓	2.00	✓	3.65
100	100	✓	✓	0.27			0.36	✓	✓	0.500	✓	0.866		✓	1.00	✓	1.73	✓	2.52
125	125						0.32	✓	✓	0.445	✓	0.630		✓	1.225	✓	1.50	✓	3.16
150	150	✓	✓	0.22			0.29	✓	✓		✓	0.575		✓	1.000	✓	1.22	✓	2.00
160	160													✓	1.41				
175	175						0.27	✓	✓	0.375				✓	1.41			✓	1.69
200	200	✓	✓	0.19			0.25	✓	✓		✓	0.470	✓	0.612	✓	0.707	✓	0.865	✓
225	225													✓	1.06	✓	1.22	✓	2.11
250	250	✓	✓	0.17			0.22	✓	✓	0.316	✓	0.316	✓	0.775	✓	0.866	✓	1.00	✓
300	300										✓	0.408	✓	0.500	✓	0.575	✓	0.866	✓
325	325																	✓	1.24
350	350	✓	✓	0.15			0.19	✓	✓	0.267				✓	0.655	✓	0.750	✓	0.866
400	400													✓	0.750	✓	0.866	✓	1.48
500	500	✓	✓	0.12			0.16	✓	✓	0.222	✓	0.316	✓	0.388	✓	0.447	✓	0.548	✓
600	600																	✓	1.00
700	700													✓	0.567	✓	0.655	✓	1.83
750	750	✓	✓	0.10			0.13	✓	✓	0.182	✓	0.316	✓	0.365	✓	0.447	✓	0.817	✓
800	800										✓	0.250						✓	1.15
900	900																	✓	1.41
1000	1K0	✓	✓	0.086			0.10	✓	✓	0.155	✓	0.224	✓	0.274	✓	0.316	✓	0.500	✓
1200	1K2																	✓	0.578
1250	1K25																	✓	1.00
1500	1K5	✓	✓	0.071			0.090	✓	✓	0.129	✓	0.224	✓	0.224	✓	0.258	✓	0.346	✓
1600	1K6																	✓	0.707
1750	1K75																	✓	1.00
1800	1K8																	✓	0.577
2000	2K0													✓	0.288	✓	0.336	✓	0.414
2250	2K25													✓	0.194	✓	0.224	✓	0.500
2500	2K5	✓	✓	0.055			0.070	✓	✓	0.100	✓	0.141	✓	0.224	✓	0.258	✓	0.346	✓
3000	3K0													✓	0.300	✓	0.346	✓	0.447
3500	3K5	✓	✓	0.046			0.060	✓	✓	0.084	✓	0.119						✓	0.633
4500	4K5													✓	0.182				
5000	5K0	✓	✓	0.039			0.050	✓	✓	0.070	✓	0.100	✓	0.123	✓	0.141	✓	0.182	✓
7500	7K5						0.041	✓	✓	0.058	✓	0.079	✓	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 G: 5000Ω
Model E: 750Ω Model K: 5000Ω
Model H: 2000Ω Model L: 7500Ω
Model J: 5000Ω