

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	C	Standard	Enclosed
EL =	12.5	J	Locking	Open
ES =	12.5	C	Standard	Open
GS =	75	J	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								
		RCS	RCL	Amps max.	RES	REL	REE	Amps max.	RHS	RHL	Amps max.	RJS	Amps max.	RGS	Amps max.	RKS	Amps max.	RLS	Amps max.	RPS	Amps max.	RNS	Amps max.	RRS	Amps max.	RUS
0.5	—R50				✓	✓	✓	3.53	✓	✓	5.00	✓	12.3	✓	14.1	✓	17.3	✓	15.0	✓	17.32	✓	22.3	✓	31.6	
1	—1R0											✓	8.66		10		12.3						✓	18.2	✓	25.8
1.5	—1R5												6.12		7.07		8.65		10.6		12.24		✓	15.8	✓	22.4
2	—2R0																						✓	14.1	✓	20.0
2.5	—2R5																						✓	12.9	✓	18.3
3	—3R0												5.00		5.75		7.07		8.66		10.00		✓	11.2	✓	15.8
4	—4R0											✓	3.88		4.47		5.48		6.71		7.75		✓	11.2	✓	15.8
5	—5R0												3.16		3.65		4.47		5.49		6.32		✓	10.0	✓	14.1
6	—6R0																						✓	7.90	✓	11.2
7.5	—7R5																						✓	10.0	✓	14.1
8	—8R0											✓	2.17		2.50		3.163		3.87		4.47		✓	5.60	✓	7.90
10	—10R	✓	✓	0.86								✓	1.73		2.0		2.450		3.00		3.46		✓	4.47	✓	6.33
12	—12R																						✓	3.54	✓	4.47
12.5	—12R5																						✓	3.16	✓	3.65
15	—15R	✓	✓	0.71																			✓	2.52	✓	3.16
16	—16R																						✓	2.00	✓	2.52
22	—22R																						✓	1.73	✓	2.11
25	—25R	✓	✓	0.55																			✓	1.41	✓	1.83
35	—35R	✓	✓	0.46																			✓	1.15	✓	1.41
40	—40R																						✓	1.06	✓	1.41
50	—50R	✓	✓	0.39																			✓	0.866	✓	1.15
75	—75R	✓	✓	0.32																			✓	0.707	✓	0.866
80	—80R																						✓	0.612	✓	0.707
100	—100	✓	✓	0.27																			✓	0.500	✓	0.575
125	—125	✓	✓	0.22																			✓	0.433	✓	0.500
150	—150																						✓	0.388	✓	0.447
160	—160																						✓	0.346	✓	0.447
175	—175																						✓	0.316	✓	0.365
200	—200	✓	✓	0.19																			✓	0.274	✓	0.316
225	—225																						✓	0.258	✓	0.316
250	—250	✓	✓	0.17																			✓	0.224	✓	0.258
300	—300																						✓	0.200	✓	0.258
325	—325																						✓	0.176	✓	0.224
350	—350	✓	✓	0.15																			✓	0.155	✓	0.224
400	—400																						✓	0.141	✓	0.224
500	—500	✓	✓	0.12																			✓	0.129	✓	0.224
600	—600																						✓	0.115	✓	0.224
700	—700																						✓	0.100	✓	0.224
750	—750	✓	✓	0.10																			✓	0.090	✓	0.224
800	—800																						✓	0.075	✓	0.224
900	—900																						✓	0.060	✓	0.224
1000	—1K0	✓	✓	0.086																			✓	0.050	✓	0.224
1200	—1K2																						✓	0.041	✓	0.224
1250	—1K25																						✓	0.035	✓	0.224
1500	—1K5	✓	✓	0.071																			✓	0.031	✓	0.224
1600	—1K6																						✓	0.029	✓	0.224
1750	—1K75																						✓	0.025	✓	0.224
1800	—1K8																						✓	0.022	✓	0.224
2000	—2K0																						✓	0.019	✓	0.224
2250	—2K25																						✓	0.017	✓	0.224
2500	—2K5	✓	✓	0.055																			✓	0.015	✓	0.224
3000	—3K0																						✓	0.012	✓	0.224
3500	—3K5	✓	✓	0.046																			✓	0.010	✓	0.224
4500	—4K5																						✓	0.008	✓	0.224
5000	—5K0	✓	✓	0.039																			✓	0.007	✓	0.224
7500	—7K5																						✓	0.005	✓	0.224
8000	—8K0																						✓	0.004	✓	0.224
10000	—10K																						✓	0.003	✓	0.224
12500	—12K5																						✓	0.002	✓	0.224
15000	—15K																						✓	0.001	✓	0.224
20000	—20K																						✓	0.001	✓	0.224
25000	—25K																						✓	0.001	✓	0.224
30000	—30K																						✓	0.001	✓	0.224
40000	—40K																						✓	0.001	✓	0.224
50000	—50K																						✓	0.001	✓	0.224

✓ = 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