

# 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.

# Rheostats

## (Potentiometers) Wirewound

### 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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## (Potentiometers) Wirewound

### 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	H	Locking	Open
ES =	12.5	U	Standard	Open
GS =	75	H	Standard	Open
HL =	25	K	Locking	Open
HS =	25	J	Standard	Open
JS =	50	H	Standard	Open
KS =	100	K	Standard	Open
LS =	150	J	Standard	Open
NS =	300	C	Standard	Open
PS =	225	H	Standard	Open
RS =	500	J	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	
		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	RUS	RGS	RKS	RLS	RPS	RNS	RRS	RUS			
0.5 —R50				✓	✓	✓	3.53	✓	✓	5.00	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 —1R0											✓	✓	✓	✓	✓	✓	✓	✓	✓
1.5 —1R5																			
2 —2R0							2.50			3.54	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.5 —2R5							2.24												
3 —3R0							2.04			2.88									
4 —4R0											✓	✓	✓	✓	✓	✓	✓	✓	✓
5 —5R0							1.58				✓	✓	✓	✓	✓	✓	✓	✓	✓
6 —6R0							1.44			2.04	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.5 —7R5																			
8 —8R0							1.25			1.77	✓	✓	✓	✓	✓	✓	✓	✓	✓
10 —10R	✓	✓	0.86				1.12			1.58	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 —12R											✓	✓	✓	✓	✓	✓	✓	✓	✓
12.5 —12R5											✓	✓	✓	✓	✓	✓	✓	✓	✓
15 —15R	✓	✓	0.71				0.91			1.29				✓	✓	✓	✓	✓	✓
16 —16R											✓	✓	✓	✓	✓	✓	✓	✓	✓
22 —22R											✓	✓	✓	✓	✓	✓	✓	✓	✓
25 —25R	✓	✓	0.55				0.71			1.00	✓	✓	✓	✓	✓	✓	✓	✓	✓
35 —35R	✓	✓	0.46				0.60			0.845	✓	✓	✓	✓	✓	✓	✓	✓	✓
40 —40R											✓	✓	✓	✓	✓	✓	✓	✓	✓
50 —50R	✓	✓	0.39				0.50			0.707	✓	✓	✓	✓	✓	✓	✓	✓	✓
75 —75R	✓	✓	0.32				0.40			0.575	✓	✓	✓	✓	✓	✓	✓	✓	✓
80 —80R											✓	✓	✓	✓	✓	✓	✓	✓	✓
100 —100	✓	✓	0.27				0.36			0.500	✓	✓	✓	✓	✓	✓	✓	✓	✓
125 —125							0.32			0.445	✓	✓	✓	✓	✓	✓	✓	✓	✓
150 —150	✓	✓	0.22				0.29				✓	✓	✓	✓	✓	✓	✓	✓	✓
160 —160																			
175 —175																			
200 —200	✓	✓	0.19				0.25			0.375									
225 —225											✓	✓	✓	✓	✓	✓	✓	✓	✓
250 —250	✓	✓	0.17				0.22			0.316									
300 —300											✓	✓	✓	✓	✓	✓	✓	✓	✓
325 —325																			
350 —350	✓	✓	0.15				0.19			0.267									
400 —400																			
500 —500	✓	✓	0.12				0.16			0.222	✓	✓	✓	✓	✓	✓	✓	✓	✓
600 —600											✓	✓	✓	✓	✓	✓	✓	✓	✓
700 —700																			
750 —750	✓	✓	0.10				0.13			0.182									
800 —800											✓	✓	✓	✓	✓	✓	✓	✓	✓
900 —900																			
1000 —1K0	✓	✓	0.086				0.10			0.155	✓	✓	✓	✓	✓	✓	✓	✓	✓
1200 —1K2											✓	✓	✓	✓	✓	✓	✓	✓	✓
1250 —1K25																			
1500 —1K5	✓	✓	0.071				0.090			0.129									
1600 —1K6																			
1750 —1K75											✓	✓	✓	✓	✓	✓	✓	✓	✓
1800 —1K8																			
2000 —2K0																			
2250 —2K25											✓	✓	✓	✓	✓	✓	✓	✓	✓
2500 —2K5	✓	✓	0.055				0.070			0.100	✓	✓	✓	✓	✓	✓	✓	✓	✓
3000 —3K0											✓	✓	✓	✓	✓	✓	✓	✓	✓
3500 —3K5	✓	✓	0.046				0.060			0.084	✓	✓	✓	✓	✓	✓	✓	✓	✓
4500 —4K5																			
5000 —5K0	✓	✓	0.039				0.050			0.070	✓	✓	✓	✓	✓	✓	✓	✓	✓
7500 —7K5							0.041			0.058	✓	✓	✓	✓	✓	✓	✓	✓	✓
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 G: 5000Ω  
 Model E: 750Ω                    Model K: 5000Ω  
 Model H: 2000Ω                  Model L: 7500Ω  
 Model J: 5000Ω