

# 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.

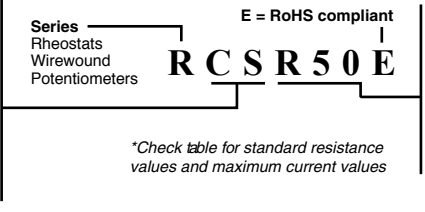
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### ORDERING INFORMATION

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	C	Standard	Open
HL =	25	J	Locking	Open
HS =	25	C	Standard	Open
JS =	50	H	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.

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				10.0								
1	—1R0										7.07								
1.5	—1R5																		
2	—2R0						2.50				5.00								
2.5	—2R5						2.24												
3	—3R0						2.04				2.88								
4	—4R0										3.53								
5	—5R0						1.58												
6	—6R0						1.44				2.88								
7.5	—7R5																		
8	—8R0						1.25				2.50								
10	—10R			0.86			1.12												
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												
35	—35R			0.46			0.60												
40	—40R										1.19								
50	—50R			0.39			0.50				1.00								
75	—75R			0.32			0.40												
80	—80R										0.790								
100	—100			0.27			0.36												
125	—125						0.32				0.630								
150	—150			0.22			0.29												
160	—160										0.575								
175	—175						0.27												
200	—200			0.19			0.25												
225	—225										0.470								
250	—250			0.17			0.22												
300	—300										0.408								
325	—325																		
350	—350			0.15			0.19												
400	—400																		
500	—500			0.12			0.16				0.316								
600	—600																		
700	—700																		
750	—750			0.10			0.13												
800	—800										0.250								
900	—900																		
1000	—1K0			0.086			0.10				0.224								
1200	—1K2																		
1250	—1K25																		
1500	—1K5			0.071			0.090												
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						0.041												
8000	—8K0										0.079								
10000	—10K						0.035				0.070								
12500	—12K5						0.031												
15000	—15K						0.029												
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

