

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)

(Potentiometers) Wirewound

ORDERING INFORMATION

Code	Watts	Model	Shaft	Core
CL =	7.5	C	Locking	Enclosed
CS =	7.5	C	Standard	Enclosed
EE =	12.5	E	Standard	Enclosed
ES =	12.5	E	Locking	Open
GS =	12.5	G	Standard	Open
HS =	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

Series ————— **E = RoHS compliant**
Rheostats **R** **C** **S** **R** **5** **0** **E**
Wirewound
Potentiometers

*Check table for standard resistance values and maximum current values

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 RCS	Locking RCL	Amps max.	Std. shaft RES	Locking REL	Enclosed REE	Amps max.	Std. shaft RHS	Locking RHL	Amps max.	Std. shaft RJS	Amps max.	Std. shaft RGS	Amps max.	Std. shaft RKS	Amps max.	Std. shaft RLS	Amps max.	Std. shaft RPS	Amps max.	Std. shaft RNS	Amps max.	Std. shaft RRS	Amps max.	Std. shaft RUS	Amps max.	
0.5 —R50					✓	✓	✓	3.53	✓	✓	5.00	✓	10.0	✓	12.3	✓	14.1	✓	17.3	✓	15.0	✓	17.32	✓	22.3	✓	31.6	
1 —1R0												7.07	✓	8.66	✓	10	✓	12.3						✓	18.2	✓	25.8	
1.5 —1R5																								✓	15.8	✓	22.4	
2 —2R0					✓	✓	✓	2.50	✓	✓	3.54	✓	5.00	✓	6.12	✓	7.07	✓	8.65	✓	10.6	✓	12.24	✓	14.1	✓	20.0	
2.5 —2R5					✓	✓	✓	2.24																✓	14.1	✓	20.0	
3 —3R0					✓	✓	✓	2.04	✓	✓	2.88			✓	5.00	✓	5.75	✓	7.07	✓	8.66	✓	10.00	✓	12.9	✓	18.3	
4 —4R0												3.53			✓	3.88	✓	4.47	✓	5.48	✓	7.50	✓	8.66	✓	11.2	✓	15.8
5 —5R0					✓	✓	✓	1.58							✓	3.88	✓	4.47	✓	5.48	✓	7.50	✓	8.66	✓	11.2	✓	15.8
6 —6R0					✓	✓	✓	1.44	✓	✓	2.04	✓	2.88											✓	10.0	✓	14.1	
7.5 —7R5									✓	✓	2.04	✓	2.88	✓	3.16	✓	3.65	✓	4.47	✓	5.49	✓	6.32					
8 —8R0					✓	✓	✓	1.25	✓	✓	1.77	✓	2.50											✓	7.90	✓	11.2	
10 —10R	✓	✓	0.86		✓	✓	✓	1.12	✓	✓	1.58			✓	2.74	✓	3.16	✓	3.88	✓	4.74	✓	5.48			✓	10.0	
12 —12R												2.04												✓	6.30	✓	8.95	
12.5 —12R5																		✓	3.163	✓	3.87	✓	4.47					
15 —15R	✓	✓	0.71		✓	✓	✓	0.91	✓	✓	1.29													✓	6.30	✓	8.95	
16 —16R												1.76		✓	2.17	✓	2.50							✓	5.60	✓	7.90	
22 —22R												1.50												✓	5.60	✓	7.90	
25 —25R	✓	✓	0.55		✓	✓	✓	0.71	✓	✓	1.00			✓	1.73	✓	2.0	✓	2.450	✓	3.00	✓	3.46	✓	4.47	✓	6.33	
35 —35R	✓	✓	0.46		✓	✓	✓	0.60	✓	✓	0.845	✓	1.19					✓	2.070	✓	3.00	✓	3.46	✓	4.47	✓	6.33	
40 —40R									✓	✓	0.845	✓	1.19					✓	2.070	✓	3.00	✓	3.46	✓	4.47	✓	6.33	
50 —50R	✓	✓	0.39		✓	✓	✓	0.50	✓	✓	0.707	✓	1.00	✓	1.23	✓	1.41	✓	1.735	✓	2.12	✓	2.45	✓	3.16	✓	4.47	
75 —75R	✓	✓	0.32		✓	✓	✓	0.40	✓	✓	0.575	✓	1.00	✓	1.00	✓	1.15	✓	1.415	✓	1.73	✓	2.00	✓	3.16	✓	3.65	
80 —80R												0.790												✓	2.52	✓	3.16	
100 —100	✓	✓	0.27		✓	✓	✓	0.36	✓	✓	0.500	✓	1.00	✓	0.866	✓	1.00	✓	1.225	✓	1.50	✓	1.73	✓	2.00	✓	3.16	
125 —125					✓	✓	✓	0.32	✓	✓	0.445	✓	0.630					✓	1.000	✓	1.22	✓	1.41					
150 —150	✓	✓	0.22		✓	✓	✓	0.29				0.575						✓	1.000	✓	1.22	✓	1.41					
160 —160																												
175 —175					✓	✓	✓	0.27	✓	✓	0.375													✓	1.69	✓	2.39	
200 —200	✓	✓	0.19		✓	✓	✓	0.25						✓	0.612	✓	0.707	✓	0.865	✓	1.06	✓	1.22			✓	2.39	
225 —225												0.470														✓	2.11	
250 —250	✓	✓	0.17		✓	✓	✓	0.22	✓	✓	0.316	✓	0.408	✓	0.500	✓	0.575	✓	0.775	✓	0.866	✓	1.00	✓	1.41	✓	1.83	
300 —300																								✓	1.24	✓	1.83	
325 —325																								✓	1.24	✓	1.83	
350 —350	✓	✓	0.15		✓	✓	✓	0.19	✓	✓	0.267							✓	0.655									
400 —400														✓	0.433	✓	0.500			✓	0.750	✓	0.866			✓	1.48	
500 —500	✓	✓	0.12		✓	✓	✓	0.16	✓	✓	0.222	✓	0.316	✓	0.388	✓	0.447	✓	0.548					✓	1.00	✓	1.41	
600 —600																								✓	1.00	✓	1.41	
700 —700																												
750 —750	✓	✓	0.10		✓	✓	✓	0.13	✓	✓	0.182			✓	0.316	✓	0.365	✓	0.447	✓	0.567	✓	0.655	✓	0.817	✓	1.15	
800 —800												0.250																
900 —900																												
1000 —1K0	✓	✓	0.086		✓	✓	✓	0.10	✓	✓	0.155	✓	0.224	✓	0.274	✓	0.316			✓	0.500	✓	0.578	✓	0.707	✓	1.00	
1200 —1K2																												
1250 —1K25																		✓	0.346									
1500 —1K5	✓	✓	0.071		✓	✓	✓	0.090	✓	✓	0.129			✓	0.224	✓	0.258			✓	0.387	✓	0.447	✓	0.577	✓	0.816	
1600 —1K6												0.176																
1750 —1K75																												
1800 —1K8																		✓	0.288									
2000 —2K0														✓	0.194	✓	0.224	✓	0.288	✓	0.336	✓	0.387	✓	0.500			
2250 —2K25																		✓	0.259									
2500 —2K5	✓	✓	0.055		✓	✓	✓	0.070	✓	✓	0.100	✓	0.141	✓	0.173	✓	0.200			✓	0.300	✓	0.346	✓	0.447	✓	0.633	
3000 —3K0																				✓	0.224							
3500 —3K5	✓	✓	0.046		✓	✓	✓	0.060	✓	✓	0.084	✓	0.119							✓	0.182							
4500 —4K5																				✓	0.182							
5000 —5K0	✓	✓	0.039		✓	✓	✓	0.050	✓	✓	0.070	✓	0.100	✓	0.123	✓	0.141			✓	0.259							
7500 —7K5					✓	✓	✓	0.041	✓	✓	0.058	✓	0.079	✓	0.100	✓	0.115	✓	0.141									
8000 —8K0												0.079																
10000 —10K					✓	✓	✓	0.035	✓	✓	0.050	✓	0.079	✓	0.087	✓	0.100	✓	0.122									
12500 —12K5					✓	✓	✓	0.031				0.070																
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																