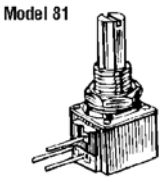
Modular Potentiometers

Model 81. Combines design versatility and advanced modular construction with factory assembled reliability and quality assurance. The net result is a consistently high quality 5/8" square panel control. Conductive plastic element. **Temperature Range:** –55°C to 125°C. **Temperature Coefficient:** ±1000 ppm/°C. **Running Torque:** 0.2 to 1.5 oz.-in. 1000 VAC dielectric with standing voltage @ sea level. **Minimum Resistance:** 2 ohms. **Infinite Resolution:** Single turn.

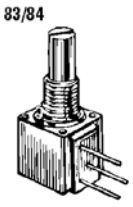
Model 83/84. The only 10 turn precision modular control in the industry. Wirewound element. **Resistance Tolerance:** ±5%. 1500 VAC dielectric withstanding voltage @ sea level. **Temperature Range:** +1°C. to +125°C. **Temperature Coefficient:** ±50 ppm/°C. **Load Life:** 1000 hrs. Moisture resistant. Compatible with all Model 80 Series. Resistance value available to 100 K as special order item.

Model 91. Construction features include a one-piece molded shaft and rotor. The one-piece rotor shaft provides virtually infinite electrical circuit isolation. Conductive plastic element. **Temperature Range:** –55°C to +125°C. **Temperature Coefficient:** 1000 ppm/°C. **Load Life:** 1000 hrs. 1000 VAC dielectric withstanding voltage @ sea level.

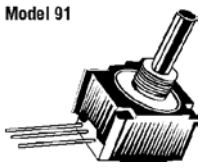
Model 81



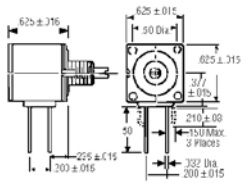
Model 83/84



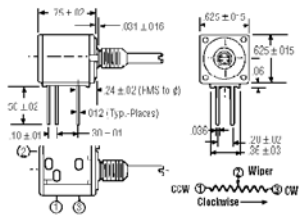
Model 91



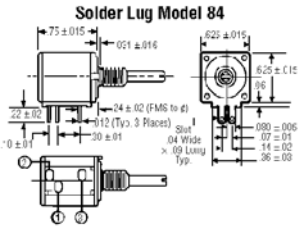
Model 81 Unit-PC Pins and J-Hook



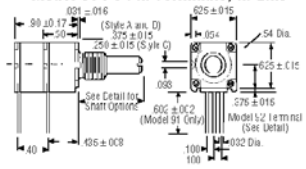
PC Pin Model 83



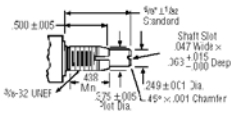
Solder Lug Model 84



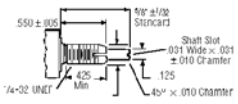
Model 91 PC Pin Terminals, In-Line



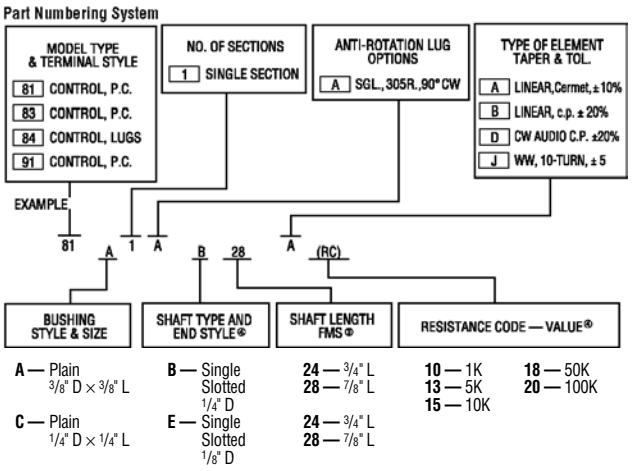
"B" Bushing 3/8" Dia. — Single Shaft



"E" Bushing 1/4" Dia. Locking — Single Shaft



Part Numbering System



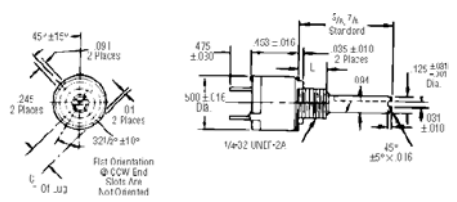
Stock No.*	Mfr.'s Type	EACH				
		1-9	10-24	25-49	50-99	100-249
754-87XX	81A1A-B28-A(RC)	9.30	8.29	7.12	5.84	4.96
754-88XX	81C1A-E28-A(RC)	9.48	8.29	7.12	5.84	4.96
754-89XX	81A1A-B28-B(RC)	9.30	8.29	7.12	5.84	4.96
754-90XX	81C1A-E28-B(RC)	9.48	8.29	7.12	5.84	4.96
754-91XX	83A1A-B28-J(RC)	24.02	21.56	18.93	15.47	13.05
754-92XX	84A1A-B28-J(RC)	24.02	21.56	18.93	15.47	13.05
754-94XX	91A1A-B24-B(RC)	5.03	4.39	3.79	3.12	2.65
754-95XX	91A1A-B28-B(RC)	5.03	4.39	3.79	3.12	2.65
754-97XX	91C1A-D24-B(RC)	5.03	4.39	3.79	3.12	2.65
754-98XX	91A1A-B24-D(RC)	5.68	4.96	4.28	3.52	2.99
754-99XX	91A1A-B28-D(RC)	5.68	4.96	4.37	3.58	3.03

*Using ohm chart below, replace "XX" in Stock No. with number that corresponds with desired ohm value.

Ohms	XX	Ohms	XX	Ohms	XX
1K*	10	10K	15	100K	20
5K	13	50K	18	—	—

*81C1A-E28-B is not available in 1K.

Model 3862
Panel Mount/Cermet Element Potentiometer



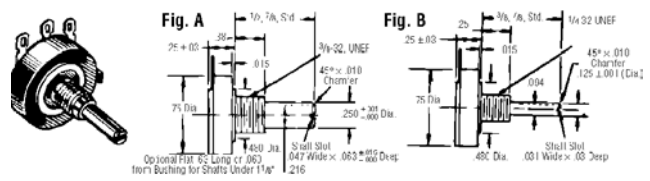
1/2" dia. body with power rating of 1 watt @ +70°C. **Model 3862C-122-.** 3/8" shaft length; 1/4" plain bushing with 1/8" shaft dia. **Model 3862C-282-.** 7/8" shaft length; 1/4" plain bushing with 1/8" shaft dia. **Tolerance:** ±10%.

Stock No.*	Mfr.'s Type	EACH				
		1-9	10-24	25-49	50-99	100-249
754-58XX	3862C-122-	14.94	13.40	11.53	9.45	8.01
754-59XX	3862C-282-	15.08	13.40	11.53	9.45	8.01

*Using ohm chart below, replace "XX" in Stock No. with number that corresponds with desired ohm value.

Ohms	XX	Ohms	XX	Ohms	XX
1K	01	10K	04	100K	07
5K	03	50K	06	—	—

Model 3852 Panel Mount/Cermet Element Potentiometers



Power Rating: 2 watts @ +70°C. **Resistance Tolerance:** ±10%. **Contact Resistance:** Variation ±3%. **Temperature Range:** –65°C to +150°C. All are supplied with hardware. **Temperature Coefficient:** ±150 ppm/°C. **Model 3852A-162-.** 1/2" shaft length; 3/8" dia. plain bushing with 1/4" dia. shaft. **Model 3852A-282-.** 7/8" shaft length; 3/8" dia. plain bushing with 1/4" dia. shaft. **Model 3852C-122-.** 3/8" shaft length; 1/4" dia. plain bushing with 1/8" dia. shaft. **Model 3852C-282-.** 7/8" shaft length; 1/4" dia. plain bushing with 1/8" dia. shaft.

Stock No.*	Mfr.'s Type	Fig.	EACH				
			1-9	10-24	25-49	50-99	100-249
754-52XX	3852A-162-	A	9.44	8.40	7.22	5.93	5.03
754-53XX	3852A-282-	A	9.44	8.40	7.22	5.93	5.03
754-56XX	3852C-162-	B	9.44	8.40	7.22	5.93	5.03
754-55XX	3852C-282-	B	9.44	8.40	7.22	5.93	5.03

*Using ohm chart below, replace "XX" in Stock No. with number that corresponds with desired ohm value.

Ohms	XX	Ohms	XX	Ohms	XX
1K	01	10K	04	100K	07
5K	03	50K	06	—	—