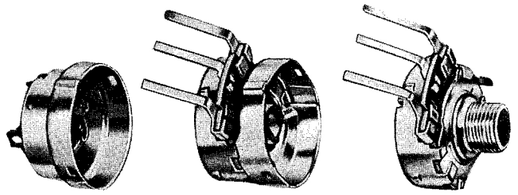
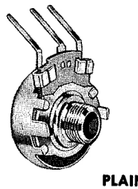
Centralab Controls

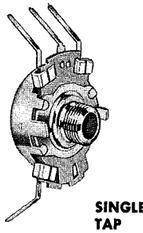


1/2 WATT COMPOSITION FASTACH II CONTROLS

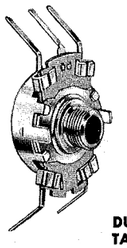
Any single control, tandem control or dual concentric control you need is instantly available — just select front and rear units with the proper resistance and taper, select and cut shafts to length, "snap" together — snap on "KR" switch if needed and your control is assembled. Carbon units are ½ watt, 15/16" diameter. Wirewound units are 5 watts, 1-3/32" diameter. Voltage breakdown 900 VAC-RMS to ground. (AK-26 or AK-28 adapter bushings can be added for auto radio applications, Hi-Fi speaker cabinets, etc.)



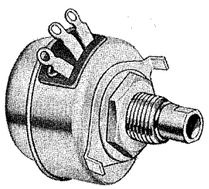
PLAIN



SINGLE TAP



DUAL TAP



5 WATT WIREWOUND FRONT

PLAIN TYPE CONTROLS

Ohms	Taper	Cat. No. Front	Cat. No. Rear
100	C1	F1-100	R1-100
200	C1	F1-200	R1-200
300	C1	F1-300	.....
500	C1	F1-500	R1-500
500	C4	F4-500	.....
500	C5	F5-500	.....
750	C1	F1-750	.....
750	C5	F5-750	R5-750
1000	C1	F1-1000	R1-1000
1000	C2	F2-1000	R2-1000
1000	C5	F5-1000	R5-1000
1500	C1	F1-1500	R1-1500
1500	C5	F5-1500	R5-1500
2500	C1	F1-2500	R1-2500
2500	C2	F2-2500	.....
2500	C5	F5-2500	R5-2500
5000	C1	F1-5000	R1-5000
5000	C2	F2-5000	R2-5000
5000	C5	F5-5000	.....
7500	C1	F1-7500	R1-7500
10K	C1	F1-10K	R1-10K
10K	C2	F2-10K	R2-10K
10K	C5	F5-10K	R5-10K
15K	C1	F1-15K	.....
25K	C1	F1-25K	R1-25K
25K	C2	F2-25K	R2-25K
25K	C3	F3-25K	R3-25K
50K	C1	F1-50K	R1-50K
50K	C2	F2-50K	R2-50K
50K	C3	F3-50K	R3-50K
75K	C1	F1-75K	R1-75K
100K	C1	F1-100K	R1-100K
100K	C2	F2-100K	R2-100K
100K	C3	F3-100K	R3-100K
150K	C1	F1-150K	R1-150K
200K	C1	F1-200K	R1-200K
250K	C1	F1-250K	R1-250K
250K	C2	F2-250K	R2-250K
250K	C3	F3-250K	R3-250K
500K	C1	F1-500K	R1-500K
500K	C2	F2-500K	R2-500K
500K	C3	F3-500K	R3-500K
500K	C7	F7-500K	R7-500K
750K	C1	F1-750K	R1-750K
1 Meg.	C1	F1-1 Meg.	R1-1 Meg.
1 Meg.	C2	F2-1 Meg.	R2-1 Meg.
1 Meg.	C3	F3-1 Meg.	R3-1 Meg.
1 Meg.	C7	F7-1 Meg.	R7-1 Meg.
1.5 Meg.	C1	F1-1.5 Meg.	R1-1.5 Meg.
2 Meg.	C1	F1-2 Meg.	R1-2 Meg.
2 Meg	C2	F2-2 Meg.	R2-2 Meg.
2 Meg.	C3	F3-2 Meg.	R3-2 Meg.
2 Meg.	C7	F7-2 Meg.	R7-2 Meg.
2.5 Meg.	C1	F1-2.5 Meg.	R1-2.5 Meg.
3 Meg.	C1	F1-3 Meg.	R1-3 Meg.
3 Meg.	C2	F2-3 Meg.	R2-3 Meg.
3 Meg.	C3	F3-3 Meg.	R3-3 Meg.
4 Meg.	C1	F1-4 Meg.	.....
5 Meg.	C1	F1-5 Meg.	R1-5 Meg.
5 Meg.	C2	F2-5 Meg.	R2-5 Meg.
5 Meg.	C3	F3-5 Meg.	R3-5 Meg.
5 Meg.	C7	F7-5 Meg.	R7-5 Meg.
5 Meg.	C63	F63-5 Meg.	.....
7.5 Meg.	C1	F1-7.5 Meg.	R1-7.5 Meg.
7.5 Meg.	C64	F64-7.5 Meg.	.....
10 Meg.	C1	F1-10 Meg.	R1-10 Meg.
10 Meg.	C2	F2-10 Meg.	.....
10 Meg.	C61	F61-10 Meg.	.....

SINGLE TAP CONTROLS

Ohms	Taper	Tap	Catalog Numbers Front	Rear
750	C51	500	F51-750	.....
2000	C51	1500	F51-2000	.....
2500	C52	625	F52-2500	.....
5000	C16	2500	F16-5000	R16-5000
7500	C14	2500	.....	R14-7500
10K	C12	2000	.....	R12-10K
10K	C16	5000	F16-10K	R16-10K
25K	C12	5000	F12-25K	R12-25K
25K	C14	7500	F14-25K	R14-25K
25K	C16	12.5K	F16-25K	R16-25K
30K	C51	20K	F51-30K	R51-30K
30K	C53	10K	F53-30K	.....
50K	C12	10K	F12-50K	R12-50K
50K	C14	15K	.....	R14-50K
250K	C11	125K	F11-250K	R11-250K
250K	C14	75K	F14-250K	R14-250K
250K	C16	125K	F16-250K	R16-250K
500K	C11	250K	F11-500K	R11-500K
500K	C12	100K	F12-500K	R12-500K
500K	C14	150K	F14-500K	R14-500K
500K	C16	250K	F16-500K	R16-500K
500K	C17	50K	F17-500K	R17-500K
1 Meg.	C11	500K	F11-1 Meg.	R11-1 Meg.
1 Meg.	C12	200K	F12-1 Meg.	R12-1 Meg.
1 Meg.	C14	300K	F14-1 Meg.	R14-1 Meg.
1 Meg.	C16	500K	F16-1 Meg.	R16-1 Meg.
1 Meg.	C17	100K	F17-1 Meg.	R17-1 Meg.
2 Meg.	C11	1 Meg.	F11-2 Meg.	R11-2 Meg.
2 Meg.	C12	400K	F12-2 Meg.	R12-2 Meg.
2 Meg.	C14	600K	F14-2 Meg.	R14-2 Meg.
2 Meg.	C16	1 Meg.	F16-2 Meg.	R16-2 Meg.
2 Meg.	C17	200K	F17-2 Meg.	R17-2 Meg.
3 Meg.	C16	1.5 Meg.	F16-3 Meg.	R16-3 Meg.
3 Meg.	C54	900K	F54-3 Meg.	R54-3 Meg.
5 Meg.	C14	1.5 Meg.	.....	R14-5 Meg.

DUAL TAP CONTROLS

Ohms	Taper	Tap	Catalog Numbers Front	Rear
2000	C60	250/500	F60-2000	.....
15K	C55	5K & 10K	F55-15K	.....
100K	C59	10K & 50K	F59-100K	R59-100K
500K	C56	100K & 250K	F56-500K	R56-500K
1 Meg.	C55	350K & 620K	F55-1 Meg.	R55-1 Meg.
1 Meg.	C56	200K & 500K	F56-1 Meg.	R56-1 Meg.
1.5 Meg.	C57	250K & 500K	F57-1.5 Meg.	R57-1.5 Meg.
2 Meg.	C56	400K & 1 Meg.	F56-2 Meg.	R56-2 Meg.
2 Meg.	C58	250K & 500K	F58-2 Meg.	R58-2 Meg.
3.3 Meg.	C59	330K & 1650K	F59-3.3 Meg.	R59-3.3 Meg.

FASTACH FRONT & REAR UNITS — NET PRICES

CRL Type

F1 to F7 Front Units .....
F11 to F64 Front Units .....
R1 to R7 Rear Units .....
R11 to R59 Rear Units .....
FW Wirewound Front Units .....

TYPE KR FASTATCH ® II SWITCHES

Underwriters approved. Remove label and snap on control. (Patent No. 2,776,356)

Switching	Rating	Cat. No.	Net
SPST	5 amp., 125 v.a.c.	KR-1	
DPST	3 amp., 125 v.a.c.	KR-2	
DP (1 pole on) (1 pole off)	3 amp., 125 v.a.c.	KR-3*	
SPST	15 amp., 10 v.d.c.	KR-4	
SPST	15 amp., 10 v.d.c.	KR-6**	
DPST	15 amp., 10 v.d.c.	KR-7	
SPST (Push-Pull) 3A @ 125V		KR-8	
(Switch Shield)		KR-5)	

*Can be used as SPDT by adding a jumper wire between terminals 1 and 3.
**With dummy lug.

KR-8*

KR-1

5 WATT WIREWOUND FRONT UNITS

Ohms	Taper	Cat. No.	Ohms	Taper	Cat. No.
250	C1	FW-250	2000	C1	FW-2000
300	C1	FW-300	2250	C1	FW-2250
500	C1	FW-500	2500	C1	FW-2500
750	C1	FW-750	3000	C1	FW-3000
1000	C1	FW-1000	5000	C1	FW-5000
1500	C1	FW-1500	10K	C1	FW-10K

Centralab Contro

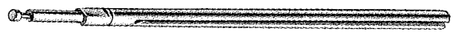
SU308

SPU304

FASTACH II SHAFTS — TO MAKE SINGLE CONTROLS

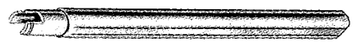
SU-308 UNIVERSAL SHAFT. To make a single control with a standard rotary switch (KR-1 thru KR-7). .....Net Each $ ■
SPU-304 UNIVERSAL SHAFT. To make a single control with a push-pull type switch (KR-8). .....Net Each ■
NOTE: If a switch is not required, the SU-308 shaft should be used. For assembly of a single control, simply select the proper value of CRL front unit required.

RU413



RPU408

INNER SHAFT CONTROLS REAR UNIT



FU404 ■

OUTER SHAFT CONTROLS FRONT UNIT

FASTACH II SHAFTS — TO MAKE CONCENTRIC CONTROLS

RU-413 UNIVERSAL INNER SHAFT. To make a concentric control with a standard rotary switch (KR1 thru KR-7). .....Net Each $
RPU-408 UNIVERSAL INNER SHAFT. To make a concentric control with a push-pull type switch (KR-8). .....Net Each
FU-404 UNIVERSAL OUTER SHAFT. For all concentric controls. Net Each
NOTE: To make a concentric control, simply select the desired values of CRL front and rear units, and style of switch to be used. If a switch is not required, the RU-413 shaft should be used.

SFS212

SP212

.187" SMALL DIAMETER SHAFTS FOR TV REPLACEMENTS

SFS-212 SMALL DIAMETER SHAFT. To make a single control with a standard rotary switch (KR-1 thru KR-7). .....Net Each $
SP-212 SMALL DIAMETER SHAFT. To make a single control with a push-pull type switch (KR-8). .....Net Each
NOTE: For late model TV control replacements, simply select the desired value of CRL front unit, type of switch, and appropriate control shaft required.

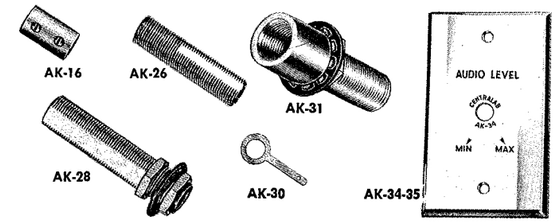
CPL-2

CPL-3

CPL-4

FASTACH II COUPLERS — TO MAKE TANDEM CONTROLS

CPL-2 COUPLER. For driving two controls with one shaft. Net Each $
CPL-3 COUPLER. For driving three controls with one shaft. Net Each
CPL-4 COUPLER. For driving four controls with one shaft. Net Each
NOTE: Tandem controls are made up as single controls, using the SU-308 shaft, plus the front control unit required. Up to three additional rear units may then be driven with the appropriate CPL shaft coupler.
Couplers internally lock nylon rotors together eliminating back lash and provide simultaneous rotation between all units in tandem. Controls snap together with no increase in normal depth of units. Couplers will not fall out, twist, or loosen in operation.



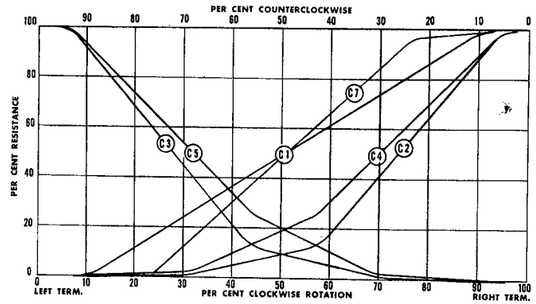
Cat. No.	Description	Net Each
AK-16	Coupler: Will connect two ¼" shafts or a ¼" shaft to a 3/16" shaft	
AK-26	Auto Adapter Bushing: 3/8"-32 to 7/16"-28 thd. (1 5/8" long)	
AK-28	Auto Adapter Bushing: 3/8"-32 to ½"-28 thd. (2¼" long)	
AK-30	Ground Lug: For grounding any terminal to the bushing.	
AK-31	Adapter Bushing: 3/8"-32 thd. to 3/8"-32 thd. Extension 1" long (Brass)	
AK-34	Wall outlet plate: Brushed gold anodized (For L & T-Pads)	
AK-35	Wall outlet plate: Brushed aluminum anodized (For L & T-Pads)	

AK-38 AK-39 AK-40

AK-38 Twist Tab Mounting Adapter Plate. Net Each $

AK-39 Adapter Plate for Mounting Controls in P. C. Board.

AK-40 Twist Tab Adapter Plate for Reverse Mounting.



DESCRIPTION OF TAPERS

C-1 — Linear; uniform resistance change from either end. **C-2** — Semi-log (audio) 10% centre. Used for volume or tone. **C-3** — Right-hand semi-log. Reverse of C-2. **C-4** — Modified log, 20% centre. **C-5** — Right-hand modified log. Reverse of C-4. **C-7** — Symmetrical straight line; slow change at either end. **C-11** — Tapered 50% rotation, 50% resistance. **C-12** — Tapped 37½% rotation, 20% resistance. **C-14** — Tapped 62% rotation, 30% resistance. **C-16** — Tapped 62% rotation, 50% resistance. **C-17** — Tapped 37½% rotation, 10% resistance. **C-51** — L.H. linear type, tap at 62% cw rot. from L.T., with 66-2/3% of res. between L.T. & tap. **C-52** — R.H. semi-linear taper, tap at 62% ccw rot. from R.T., with 25% of res. between R.T. & tap. **C-53** — R.H. linear taper, tap at 37% ccw rot. from R.T., with 33-1/3% of res. between R.T. & Tap. **C-54** — L.H. semi-linear taper, tap at 37% cw rot. from L.T., with 30% of res. between L.T. & tap. **C-55** — L.H. linear taper, taps at 37% & 62% cw rot. from L.T., with 35% & 62% of res. between L.T. & taps. **C-56** — L.H. semi-log taper, taps at 37% & 62% cw rot. from L.T., with 20% & 50% of res. between L.T. & taps. **C-57** — L.H. semi-log taper, taps at 37% & 62% cw rot. from L.T., with 16½% & 33% of res. between L.T. & taps. **C-58** — L.H. semi-log taper, taps at 37% & 62% cw rot. from L.T., with 12½" of res. between L.T. & taps. **C-59** — L.H. semi-log taper, taps at 37% & 62% cw rot. from L.T., with 10% & 50% of res. between L.T. & taps. **C-60** — R.H. semi-log taper, taps at 37% & 62% ccw rot. from R.T., with 12½% & 25% of res. between R.T. & taps. **C-61** — L.H. special log taper, 1% res. between L.T. & C.T. at 50% rotation. **C-62** — R.H. special log taper, 1% res. between R.T. & C.T. at 50% rotation. **C-63** — L.H. special taper with "Open" circuit at 45 to 55% rotation. L.T. to 45% rotation is approximately .005% (.5 of 1%) of total resistance. **C-64** — L.H. special taper with "Open" circuit at 45 to 55% rotation. L.T. to 45% rotation is approximately 13% of total resistance.