

CALRAD

25 series - potentiometers audio /linear

SUB-MINIATURE VOLUME CONTROLS

Linear taper, extremely smooth for quiet operation. 1/2" dia. fits into 1/4" hole. Shaft 3/16" dia. Thread length 7/32", shaft length 9/16", 1 1/8" length overall. Supplied with mounting hardware. Specify resistance. .1 watt, 20% tolerance, 300° rotation. (One per package.) Solderable terminals.

25-290.....	2K ohms Linear Taper	25-293.....	50K ohms Linear Taper
25-291.....	5K ohms Linear Taper	25-294.....	100K ohms Linear Taper
25-292.....	10K ohms Linear Taper	25-295.....	250K ohms Linear Taper



VOLUME CONTROL LESS SWITCH

Replacement controls available in the eight most popular values. High quality carbon elements which have high stability under most conditions. 15/16" dia., 1/2" deep, 1/4" dia. shaft, 1/4" thread length, 5/16" shaft length, 5/16", bushing. 25-324 Long shaft 2" with bushing. 1/2 watt, 20% tolerance, 320° rotation. Supplied with hardware. Solderable terminals.

25-324 Long Shaft	2K OHM Linear Taper	25-328	100K OHM Linear Taper
25-325	5K OHM Linear Taper	25-329	250K OHM Linear Taper
25-326	10K OHM Linear Taper	25-330	500K OHM Audio Taper
25-327	50K OHM Linear Taper	25-331	1 Megohm Audio Taper



MINIATURE CONTROLS WITH SWITCH

Designed to provide extremely smooth quiet operation. Semi-log (audio) taper. Fits 5/16" hole in panels, 1/4" shaft, 13/16" long, including threads, size 5/8" dia., 19/16" long. Specify resistance. 1/2 watt, 20% tolerance, 300° rotation. SPST switch. Switch current 125v @ 3 amps.

25-316.....	5K Audio Taper	25-318	50K Audio Taper
25-317.....	10K Audio Taper	25-322	1 Megohm Audio Taper



MINIATURE VOLUME CONTROLS

Replacement control less switch 5/8" dia, fits 9/32" hole. Shaft 1/4" dia., 9/16" long including thread. Supplied with mounting hardware. Specify resistance. 1/4 watt, 20% tolerance, 300° rotation. Solderable terminals.

25-300.....	2K Linear Taper	25-305.....	250K Linear Taper
25-300A.....	1K Linear Taper	25-306.....	500K Audio Taper
25-301.....	5K Linear Taper	25-307.....	1 Megohm Audio Taper
25-302.....	10K Linear Taper	25-308.....	10K Audio Taper
25-303.....	50K Linear Taper	25-309.....	50K Audio Taper
25-304.....	100K Linear Taper	25-310.....	100K Audio Taper



MINIATURE DUAL VOLUME CONTROLS

Extremely smooth action control with 11/16" dia., fits into 9/32" hole. Extra long thread 9/16", shaft 1/4" dia. Circuit board mounting tabs. Shaft length 1/2". 1/4" watt, 20% tolerance, 300° rotation. 1" overall length. Solderable terminals.

25-395.....	5K Audio Taper	25-397.....	50K Audio Taper
25-396.....	10K Audio Taper	25-398.....	100K Linear Taper (.01 watt)



MINIATURE MULTI-CLICK RATCHET CONTROLS-P.C. MOUNT 10 step

11/16" dia. body, 1/4" dia. shaft, 9/16" shaft length, including threads, fits into 9/32" hole. 7/8" long overall. 1/4 watt, 20% tolerance, 300° rotation. Solderable terminals.

25-420.....	5K Linear Taper (.1 watt)	25-428	5K Audio Taper
25-421.....	10K Linear Taper (.1 watt)	25-429	10K Audio Taper
25-422.....	50K Linear Taper	25-430	50K Audio Taper
25-423.....	100K Linear Taper	25-431	100K Audio Taper
25-424.....	250K Linear Taper	25-432	250K Audio Taper
		25-433	500K Audio Taper



MINIATURE MULTI-CLICK DUAL CONTROLS—40 STEP P.C. MOUNT

11/16" dia., 1 1/4" long overall, 9/32" hole size, 1/4" dia shaft, 9/16" long shaft including threads. 1/4 watt, 20% tolerance, 300° rotation. Solderable terminals.

25-405.....	10K Linear Taper	25-410.....	10K Audio Taper
25-406.....	50K Linear Taper	25-411.....	50K Audio Taper
25-407.....	100K Linear Taper	25-412.....	100K Audio Taper



CALRAD

25 series - controls

SLIDE CONTROLS

Modernize your equipment with the use of Slide Controls that have rugged construction and extra smooth action. 20% tolerance. Solderable terminals.

4 7/16" Mounting Centers, 4 11/16" x 1/2" x 5/8" Including Terminals

25-270..... 0.25 watt, 10K Linear Taper **25-276**..... 0.5 watt, 50K Audio Taper

25-271..... 0.25 watt, 50K Linear Taper **25-277**..... 0.5 watt, 100K Audio Taper

25-275..... 0.5 watt, 10K Audio Taper

2 9/16" Mounting Centers, 2 7/8" x 1/2" x 9/16" Including Terminals.

25-287..... 0.1 watt, 100K Audio Taper

3 5/32" Mounting Centers, 3 7/16" x 1/2" x 5/16" Including Terminals

25-372..... 0.25 watt, 1K Linear Taper **25-377**..... 0.125 watt, 10K Audio

25-376..... 0.25 watt, 250K Linear Taper **25-379**..... 0.125 watt, 100K Audio

DUAL GANG SLIDE 2 11/16" Mounting Centers, 2 7/8" x 3/4" x 7/32" P.C. Leads

25-390..... 10K Dual Linear Taper **25-391**..... 25K Dual Linear Taper



25-336 "L" PAD

20 ohm for use as rear speaker fader control (front, rear both can also be used as a volume control for most small speakers. 1 3/16" diameter, 3/8" threaded bushing, 1/4" slotted knurled shaft. supplied with cover, nut, and washer. Solderable terminals.



25-340 "L" PAD

Dual section ceramic insulated 8-ohm "L" pad for use between amplifier and speaker. Adjusts volume of any speaker independently of other speakers in the system. Wire wound control, ceramic insulation for additional strength, 5/16" bushing, 1/4" long. 5-15 watts. 1 1/8" dia., 1/4" shaft knurled and slotted. Solderable terminals.



25-341 "L" PAD*

Flat frequency response, natural reproduction is obtained by adjusting for the difference in efficiency ratios. Adjustment ±17% of the normal rated impedance. "L" pads are 8-ohm impedance. Black plastic contour knob. Mounts in 3/8" hole. Bushing 3/4" long. 10-25 watts. 0-40db attenuation. 300° rotation. Solderable terminals.



25-342A STEREO "L" PAD*

Single shaft control for maintaining proper output level enabling the balancing of two speakers from the amplifier. Providing positive equal audio power to each speaker. Has 3/8" x 3/2 threaded bushing 7/8" long. Impedance: 8 ohms. 10-25 watts. Solderable terminals. See wiring diagram on page 26.



50 WATT HEAVY DUTY AUDIO LEVEL CONTROLS ("L" PAD)

25-352 MONAURAL* (Body Size 2" x 2" x 1 1/16" Hole Size 3/8")

25-353 STEREO* (Body Size 2" x 2" x 1 3/4" Hole Size 3/8")

Specially designed "L-Pads" to be used in high power audio or speaker systems. Made of rugged high quality materials for neat appearance and smooth operation. 1/2" long threads are provided for ease in mounting in thick cabinets. Complete with knob, hardware for mounting. Specify monaural or stereo. Impedance: 8 ohms. See wiring diagram on page 26.



CALRAD

25 series - controls

100 WATT HEAVY DUTY AUDIO ATTENUATORS ("L" PAD) 25-452 MONAURAL* 25-453 STEREO*

Controls speaker volume for remote location. Rated up to 100 watts at 8 ohms. Extra long 3/4" bushing for mounting in standard 3/8" diameter hole. Complete with front plate and knob. Heavy solderable terminals. See wiring diagram below.



25-345 60 WATT STEREO DESKTOP LOUDSPEAKER CONTROL CENTER

Individual volume controls for each speaker L+R. Input\Output through 4MM gold plated terminals. Can be used with CALRAD 30-605 banana plugs. Accepts 12-18 gauge cable. Sturdy metal chassis with black finish.

NEW Item



25-346 60 WATT STEREO DESKTOP LOUD SPEAKER CONTROL

Heavy duty rocker switches turns On\Off main, remote speakers. Individual volume controls for each speaker L+R. Input\Output through 4MM gold plated terminals. Can be used with CALRAD 30-605 banana plugs. Accepts 12-18 gauge cable. Sturdy metal chassis with black finish.

NEW Item



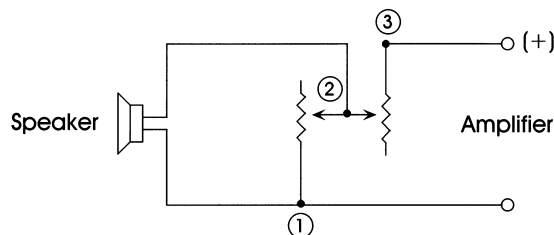
25-347 70 WATT STEREO DESKTOP ATTENUATOR

Transformer designed attenuator. Input\Output through UV approved screwless, push-type terminals accepts up to 14 AWG cable. Stereo headphone jack for private listening, shuts off speakers when headphone plug is inserted into jack. Sturdy metal chassis with light grey finish.

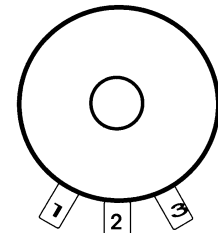
NEW Item



*WIRING DIAGRAM FOR 25-341, 25-342, 25-352, 25-353, 25-452, 25-453



Wire 1,3 Amp, 1,2 Speaker



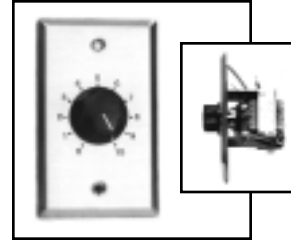
CALRAD

25 series - audio line attenuators

25-351 10 WATT, 70 VOLT AUDIO LINE ATTENUATOR - MONO

25-351A 10 WATT, 8 OHM AUDIO LINE ATTENUATOR - MONO

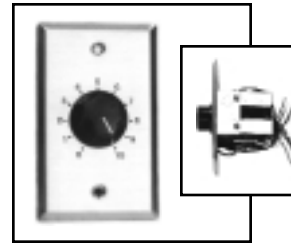
Flush mount auto transformer type. Fits into standard single gang box or ring. Excellent for use in home, paging and background music systems. Features a 10-position volume selector switch with 3 dB step attenuation and a positive off position. Complete with stainless steel mounting plate, knob, with terminal block connectors. Depth 2 1/8". First 2 steps are 6db, others are 3db.



25-339 10 WATT, 8 OHM AUDIO LINE ATTENUATOR - STEREO

25-339A 10 WATT, 70 VOLT AUDIO LINE ATTENUATOR - STEREO

Same as 25-351 (Stereo Version). 10 Watt-70 Volt. Dimensions: 2 1/2" deep x 2 1/2" high x 2" width (less shaft and knob).



25-357 20 WATT, 8 OHM AUDIO LINE ATTENUATOR - STEREO

25-357A 20 WATT, 70 VOLT AUDIO LINE ATTENUATOR - STEREO

25-358 25 WATT, 8 OHM AUDIO LINE ATTENUATOR - MONO

Double-gang box mount.

25-358A 35 WATT, 70 VOLT - MONO

Double-gang box mount.

25-358B 50 WATT, 8 OHM - STEREO

Double-gang box mount.



25-354 25 WATT, 8 OHM STEREO ATTENUATOR

25-355 40 WATT, 8 OHM STEREO ATTENUATOR

Decora style. Click type attenuators with isolation transformers. 3 db (10) step attenuation. Comes with terminal block connectors. White insert and knob with pointer. Accepts up to 14 awg cable. 2.3" deep.



25-360

70 WATT, 8 OHM AUDIO LINE ATTENUATOR - STEREO

12 step design, each step being 3db. The last 4 steps are 6db each. 70 watts per channel, 150 watts peak. White insert and knob with pointer. Accepts up to 14 awg cable. Removable terminal blocks cable installation. 2.7" deep.



25-361 8 OHM STEREO MULTIPLE SPEAKER ATTENUATOR

12 step design for a total attenuation of 42db. Matches impedance to amplifier and allows 1 to 16 attenuators to be used with one amplifier. Selectable index washer under knob for setting attenuation. Power handling 100 watts, 200 watts peak, 8 ohm output. White insert and knob with pointer. Accepts up to 14 awg cable. Terminal block cable installation. 2.7" deep.

NEW Item



25 series - audio line attenuators & transformers

25-356 10 WATT, 70 VOLT MONO ATTENUATOR

10-step attenuation for high level audio signal. Low insertion loss. Controls up to 10 watts of speaker load. Handles 70 volts RMS input. Stainless steel panel. Easy installation. Comes with terminal block connectors. White wall plate and knob with pointer.



25-362 30 WATT, 70 VOLT DECORA STYLE MONO ATTENUATOR

Decora style. Click type 70 volt attenuator with isolation transformers. (10) step 8-3db, 2-6db steps for attenuation. Comes with terminal block connectors. White insert and knob with pointer. Accepts up to 14 awg cable. 2.3" deep.

NEW Item



25-359 8 OHM, 25 WATT ATTENUATOR WITH A/B SWITCH.

Decora style. Double gang configuration. Screw type connectors for attaching wire. Comes with wall plate and with terminal block connectors. White inserts, wall plate and knob with pointer. Accepts up to 14 awg cable. 2.3" deep.

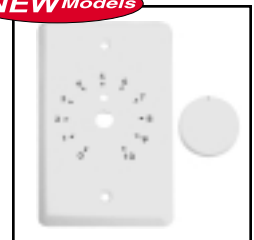


WHITE AND IVORY KNOBS AND PLATES

For use with 25-351, 25-351A, 25-339, 25-339A, 25-357, and 25-357A. Plates have numbers 0-10. Knob is 1 5/16" in diameter and accepts 1/4" shafts.

- 85-565-IV Ivory Knob**
- 85-565-W White Knob**
- 85-565-ID Ivory Decora Knob**
- 85-565-WD White Decora Knob**
- 28-140-IV Ivory Plate**
- 28-140-W White Plate**

NEW Models



45-788 50 WATT, HI-POWER MATCHING TRANSFORMER

45-789 100 WATT, HI-POWER MATCHING TRANSFORMER

These hi-power matching transformers are used to convert 8 ohm, low impedance to 70 volt line high impedance. It is applicable for all types of multi-speaker installations. Two are required for stereo applications.

Specifications for 45-788 and 45-789:

Primary TapCommon, (From Main Amplifier - 8 Ohms)	Frequency Response (-2dB) 30-20,000 Hz
Efficiency 85% min.	Terminal Solder-type
Secondary Tap..... 45-788 - Common, 70 V (100 Ohms), 50 watts / 45-789 -Common, 70 V (50 ohms), 100 watts	



45-788 & 789