

DS8M CEILING SPEAKER SYSTEMS

INSTALLATION INSTRUCTIONS

Simplicity of installation and modification are major features of 25/70V overhead sound systems. The wiring diagram in Figure 1 shows the circuitry of the DS8M speaker systems. The transformer on the speaker steps down the power from the incoming 25V or 70V line connections to the 8Ω speaker connections (DS8M-ST) or the 50Ω volume control (DS8M-ST/VC).

Hardware included for DS8M:
 4 8-32 Machine Screws (1½")
 4 8-32 Flat-Type Speed Fastener

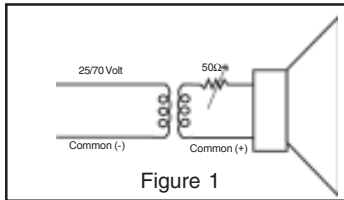


Figure 1

Transformers provide various taps for setting power consumption and speaker volume control. The taps may be changed to lower values if lower volume is desired. The total amplifier power required by the installation is calculated by adding the value of the taps on each of the speakers and multiplying the total by 1.3 which will allow for line and transformer power losses.

Where wall-mounted volume controls are required, JWD autotransformers should be used. These attenuators are used to control the volume level of groups of speakers as well as a single speaker. Like L-Pads, autotransformers have maximum power ratings that should not be exceeded. To provide the necessary power ranges, JWD 20 watt (AT-20), 40 watt (AT-40) and 100 watt (AT-100) autotransformers are available with either stainless steel or white plastic face plates. All AT Series controls mount in a single gang electrical box.

The following enclosure and support channels are recommended where required. The labor-saving installation aids should be considered for their operational efficiency.

- SST-1. Galvanized steel support truss
- SE-1. Galvanized steel enclosure (to be used with SST-1)
- 95-8. Enclosure (to be used with LST-1 or separately)
- RMP-8PR. Plastic mounting ring
- ER-2. Extension rails for the SST-1
- 180-2. Support channels (use with 95-8)
- PPR-20 OR Push-Pull rods (coated & insulated)
- PPR-20C
- EK-11/18 or Wire reel holders
- EK-1728A

DS8M SERIES SPECIFICATIONS

SPEAKER SYSTEM	BAFFLE	SPEAKER	TRANSFORMER	VOLUME CONTROL	SHIPPING WT.
DS8M-ST	JD8M White Metal 12½" Dia.	DSU-805 8", 10 Watts, 8Ω, 5 oz. Magnet	TRU-725 (25V/70V) Primary Taps: 5W, 2W, 1W, .5W, .25W		17.5 lbs. Packed 6 per carton
DS8M-ST/VC	JD8M White Metal 12½" Dia.	DSU-805 8", 10 Watts, 8Ω, 5 oz. Magnet	TRU-725 (25V/70V) Primary Taps: 5W, 2W, 1W, .5W, .25W	Recessed 50Ω Potentiometer	21 lbs. Packed 6 per carton