



The Mark of the Professional...

IN-WALL FOREGROUND SPEAKER SYSTEM



**DIN-100A
DIN-100AT**

FEATURES

- Flush Mount Wall or Ceiling
- Continuous 100-Watt Power at 8 Ohms
- Two-Way Ported Speaker System
- 45Hz to 20KHz Frequency Response
- Large 20 oz. 8" Woofer
- Pivoting 1 $\frac{3}{4}$ " Tweeter
- DIN-100AT for 70 Volt Systems
- May be Painted to Match Decor

DESCRIPTION

The Model DIN-100AT is a two-way speaker system engineered to be installed flush in walls or ceilings where foreground music and voice reproduction is desired. The pivoting tweeter allows the directional high frequencies to be pointed to the primary listening area for optimum sound reproduction. Ported baffle design provides strong bass frequency support. One piece molded construction ensures structural integrity with minimum vibration. Six wall clamps permit quick, efficient installation. The frame and grille may be painted where color is required to blend with a special wall or ceiling decor. The model DIN-100AT speaker may be used in 70 volt line systems which permits easy extension of speakers to multiple locations. Individual speaker wall volume controls are available for ceiling mounts.

NEW TECHNOLOGY



OLD RELIABILITY

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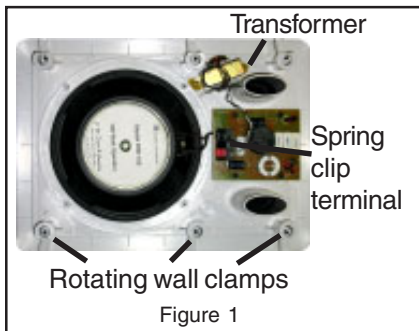
J.W. Davis & Company • 3030 Canton Street • P.O. Box 710219 • Dallas, Texas 75371-0219
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Operation

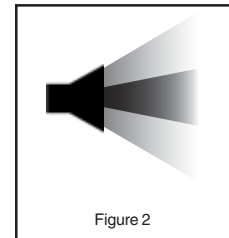
Installation is facilitated by six rotating wall clamps (Figure 1 below) that securely hold the speaker system to a wall panel or ceiling tile. The system uses the interior wall space or ceiling area, together with the ported design, to provide the maximum bass response. A pivoting 1 3/4" tweeter affords clean high frequencies that can be directed toward the primary listeners. The combination of these factors produces high fidelity stereo or surround sound.



A 70-volt transformer is included with Model DIN-100AT to permit the practical installation of numerous monaural speakers in commercial applications where full-range frequency reproduction is desired. Wall-mounted independent volume control of each speaker may be accomplished by the use of attenuators such as the JWD AT Series.

Speaker Placement

Higher frequencies are more directional than lower frequencies as shown by the darker area in Figure 2. Consequently, the sound level of the higher frequencies will be greater when the listener is directly in front ("on axis") of the sound source. As the position of the listener moves off axis to either side, the sound level of the higher frequencies decrease. To compensate for this factor, the high frequency tweeter in the DIN-100 series can be adjusted toward the primary listening area to provide best frequency reception.



The ideal height of the speakers is the listeners' heads. For stereo, the primary listener's head also should be the point of a triangle that is equal distance between the listener and the two speakers. Where this is not practical, the tweeter should be pivoted to direct the higher frequencies in this triangular pattern. A ±3dB switch located below the tweeter also is available to further enhance the higher frequencies if desired.

TECHNICAL SPECIFICATIONS

System	Ported Two-Way In-Wall/Ceiling Speaker System
Power Handling	100-Watt @ 8 Ohm, 10-Watt @70 Volt; Continuous
Frequency Response	45Hz-20kHz ±5dB
Woofer	8" Polypropylene, 20 oz. Magnet
Tweeter	1 3/4" Mylar, Pivoting with ±3dB Switch
Sensitivity	93dB 1w/1m
Crossover	Two Way
Dimensions	10 1/4" W x 14 5/16" H x 3 1/2" D
Weight	4 lbs. 12 oz.

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