

AS4000 Retrofit Series

4" Fire Alarm Speaker

Fire speaker, High quality designed to replace the older AEG AS4600 series

FEATURES

- Good Quality 4" Voice Fire Alarm Speaker
- 4" speaker for a wider dispersion pattern.
- Excellent Voice Range Clarity.
- U.L.C. Listed & Approved.
- 25 & 70.7 Volt Line Matching Transformer Models.
- Blocking Capacitor for D.C. Line Supervision.
- Transformer Can Be Tapped Up To 2 Watt.
- Devices Can Be Either Flush or Surface Mounted.



AS4000 Retro Series

4" Loudspeaker Devices for the Fire-Safety Market.
25 & 70.7 Volt, Retrofit Series

AS4000 RETRO SERIES

Specifications - AS4000 Retrofit Series

Arnscott's AS4000 Retro-Fit Series Speakers are the perfect match for voice communications in hotel/motel rooms, conference and board rooms, offices, apartment buildings, condominiums or for any commercial or residential area that is requiring voice alarm communications. This series of speaker devices is designed to be used for the retro-fit market, primarily changing over older residential apartment or condominium buildings intercom systems into inter suite life safety voice device locations. These buildings are usually switching their intercom panels for the more convenient phone system intercom concepts, which free up the old intercom location for the new retrofit voice alarm system.

All models are equipped standard with a 2 position rising washer terminal block, jumper selectable power taps, and line blocking capacitor for the audio side. These units are designed to be mounted directly to the existing enclosures that are currently housing the intercom panels.

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The ARNSCOTT models AS4000 Retro-Fit SERIES consist of a 10.2cm (4") loudspeaker (6 oz. magnet) closed back speaker housing for better speaker cone protection, complete with a low profile constant voltage line matching transformer, a D.C. blocking capacitor and an all steel speaker baffle finished in either an off white or red powder paint. The terminal block shall be the rising washer type to allow in-out wiring down to 12 gauge wire size. The frequency response of the complete voice alarm unit shall be better than 600 to 4,000Hz.. The 70.7 or 25 Volt transformer shall be of the line matching type, with the following power taps; 2, 1, 1/2 and 1/4 watt which can produce sound pressure output up to 90dB. at 10Ft. per ULC standard ULC-S541.

The front baffle trim is 16.2cm (6-3/8") square for flush or surface mount applications. The depth of the speaker assemblies is designed to fit into AEG back boxes with a depth of 3-1/2 - 4".

ARNSCOTT Models AS4000 Retro-Fit SERIES VOICE ALARM LOUDSPEAKERS are designed to be used for the retro-fit market, primarily changing over older AEG fire speakers that used the E40 or SE40SB back boxes. These units must be used with UNDERWRITERS LABORATORIES of CANADA (ULC) approved voice alarm equipment only, including the back box (see back page for mounting information).

AS4000 Retro Series

4" Loudspeaker Devices for the Fire-Safety Market.
25 or 70.7 Volt, RetroFit Series

AS4000 RETRO Series

General Specifications

Power Tap Selected	Avg. dB. over 400-6kHz.
¼W	81
1/2W	84
1W	87
2W	90

SPL MEASUREMENTS:

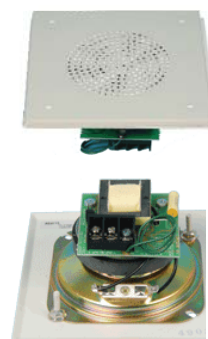
SPEAKER dBA @ 10ft. Measured

General Installation Information

Model Number	Speaker Voltage (RMS)	Power Taps (WATTS)	Mounting Configurations Recessed Surface	Baffle Shape	Vandal Resist	Strobe Option ?	
Speaker Devices With White Baffle							
AS4025-70	25	¼, ½, 1, 2	E40	SE40SB	S	N	No
AS4070-70	70.7	¼, ½, 1, 2	E40	SE40SB	S	N	No

R = Round, S = Square

Discontinued Model	Replacement Model Number
ASAL41G15W	AS4071
ASAL42G70W	AS4070-70
ASAL43G15W	AS4011
ASAL44G70W	AS4025-70



AS4025-70 / AS4070-70

- When flush mounting these units ensure that 1 x MC1-P is specified to support the complete unit up into the drop ceiling or drywall, unless these back boxes are securely tied into the ceiling / wall members, which is additional security and is recommended in addition to standard mounting procedures.
- Actual speaker frequency response is 120 - 10,000 Hz. +/- 5dB. The cone is paper (very light), which produces a very efficient loudspeaker. This is an excellent quality loudspeaker.
- The AS4000 Series fire speaker over the ULC frequency range of 400 – 4kHz. @ 10'(3m) at full power (2 Watt) will emit 90 dB.. The -3 & -6 dB. SPL down angles are 64 & 130 degrees respectively from the speaker center and radiates a round pattern. This type of speaker is recommended for lower ceilings where a wider dispersion of sound levels is required to fill larger areas with fewer loudspeakers.

General Ordering Information

- The AS4000 Series devices are intended for flush or surface mounting.
- This speaker series mounts to the enclosure using mounting screws that are visible after the installation.
- The AS4000 Series requires that the back boxes are installed before the drywall ceiling is installed. If the ceiling is a drop tile type, the wiring should be in place before the tiles are installed, at which point each individual tile can be removed and the speaker assembly wired and sandwich installed onto the tile, with the addition of MC1-P supports.
- For conventional installations, the back boxes listed above are normally ordered ahead of installation of the speakers.
- Baffles are available in a standard AEG white colour. Custom colours are available for an additional cost.
- Note: If the grill portion of the speaker is painted at any other facility other than our factory, the ULC listing is void! If you need a special colour, let us know at time of order.
- For more installation Instructions, please ask for AEG Technical Installation Note # A0364-C
- dBA. Is a sound pressure measurement made using the U.L.C. Standard ULC-S541.
- * ULC is a trademark of Underwriters Laboratories of Canada. Listing pending.

Arnsco Electronics Inc.. reserves the right to update these specifications at any time. For warranty information, please see Arnsco separate price lists.