

Description

Sigcom's AM4CL-24 Amplified Speaker Cluster features 4 AM-24G high output continuous duty amplified speakers attached to a NEMA 1 enclosure. AM Series signals draw extremely low power from the audio system while producing audio reproduction up to 107 dBA. Each AM Series amplified speaker features a rugged speaker cone and a projector built with spun aluminum. The amplification and other internal circuitry are built into a rugged die cast aluminum housing which is sealed with powder coat paint and includes dust and moisture proof gaskets.

Applications

AM Series amplified speakers have been designed for high quality signaling in industrial applications with harsh environments and high ambient noise. Each AM-24G in the AM4CL-24 uses the speaker output of a new or existing audio system to produce high decibel voice messages or tone signals.

The Amplified Speaker Cluster can be fastened to or hung from any ceiling using conduit or chains. Typical applications include emergency warning, plant evacuation, process control, and public address signaling as well as voice evacuation and mass notification systems and fire alarm systems.

Operation

AM4CL-24 Amplified Speaker Cluster can provide 360-degree coverage using a single audio drop. The AM-24 amplified speakers can be connected to either a 25 or 70 Vrms speaker circuit. This option is user selectable using an on board jumper. The audio outputs can be adjusted +/- 3 dB using an on board jumper to produce a maximum output of either 104 dBA or 107 dBA on axis at 10 ft.

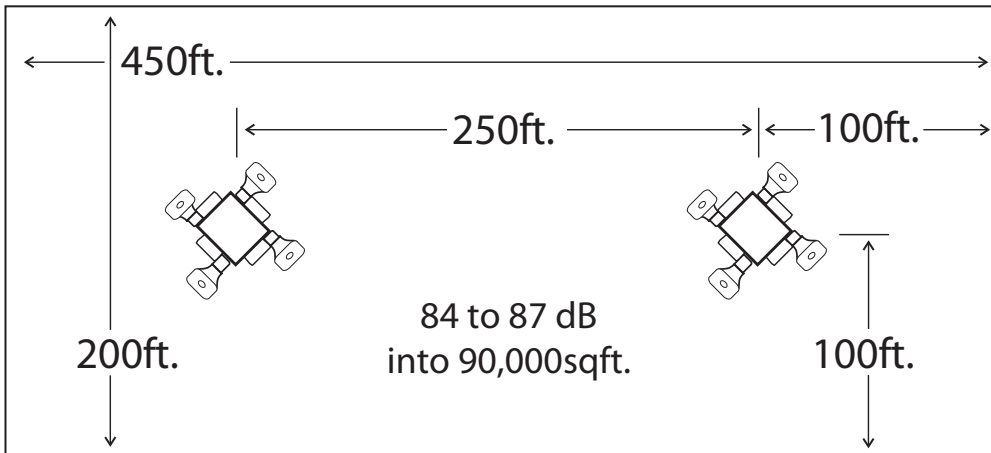


Features

- **Designed for industrial signaling including**
 - › Emergency warning
 - › Process control
 - › Plant evacuation
 - › Public address
 - › Emergency Communication Systems (ECS)
 - › Fire Alarm
- **True 360 degree dispersion**
- **Up to 100,000 square foot coverage**
- **Digital signal amplification**
- **High audio output with extremely low current draw**
- **Suitable for areas with high ambient noise**
- **User selectable audio line level 25 or 70 V_{RMS}**

AM4CL-24 Amplified Speaker Cluster

Typical large area application



Specifications

Power Input 2 - 24 VDC 1.6 A Supervised power circuits (Total for all circuits / 4 speakers = 3.2 A)
Typically provided by NAC expander power supply

Audio Input: 25 or 70 Vrms

Output: Up to 107 dBA reverberant at 10 feet in a circular pattern

Connections: Terminal strip inside cabinet,
with in-out wiring capability

Physical:

Size: 32"W x 34"H x 8"D overall in NEMA 1 enclosure
Other enclosures available upon request

Weight: 40 pounds

Listing: UL

Specifications are subject to change without notice due to product improvements.

Ordering Information

Model	
AM4CL-24	Amplified Speaker Cluster, indoor/outdoor, 24 VDC



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