

DSP207EN

12W EN54 Fireproof Wall-Mounted Speaker



Description

The DSP207EN Fireproof Wall-Mounted Speaker is an on-wall or shelf-mountable 100V projector speaker engineered for high-quality public address and critical voice evacuation systems, boasting EN54-24:2008 certification. It features a wide-band 5" bi-cone driver and offers selectable power taps (12W, 6W, 3W) for flexible application.

Built with a flame-retardant ABS V0 plastic body and a durable aluminum grille, it ensures reliable indoor operation with an IP54 protection rating against dust and water splashes. For easy daisy-chain installation, it includes a dual IN-OUT ceramic connector, thermal fuse protection, and comes complete with an aluminum bracket, waterproof cover, and cable glands.

Features

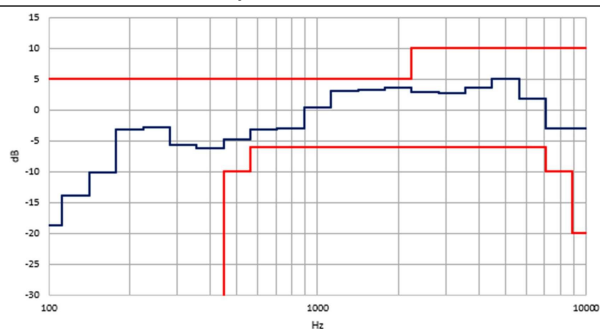
- EN54-24:2008 certification for reliable performance in critical voice evacuation scenarios.
- Selectable power taps (12W/6W/3W) for flexible adaptation to various area sizes and background noise levels.
- Built-in thermal fuse safeguards the speaker line from overheating, while dual IN-OUT ceramic connectors ensure secure and stable wiring.
- Flame-retardant ABS V0 body and aluminum grille with IP54 rating offer robust durability for demanding indoor applications.
- Includes mounting bracket and cable glands for easy daisy-chaining, streamlining the installation process in multi-speaker systems.

Specifications

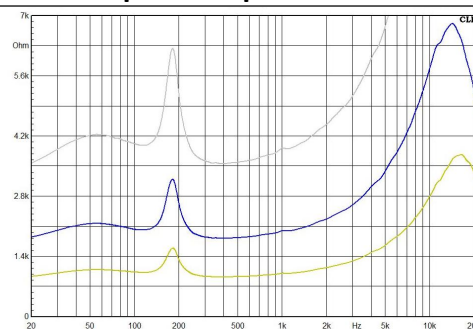
Model	DSP207EN
Standards	EN54-24:2008 Loudspeaker for voice alarm system for fire detection and fire alarm system
Environmental Class EN54-24	Type A, indoor applications
IP rate protection (EN60529)	IP54
Way no./Speaker type	1-way dual cone, full range Ø130mm
Transformer	100V (12W – 6W – 3W)
In-axis Freq. response (-10dB)	110–18,000Hz
Sensitivity (@1m, 1W)	86.3dB
SPL max (@1m, Pmax)	97.2dB
Coverage angle (-6dB)	360° (500 Hz), 253.5° (1 kHz), 125.5° (2 kHz), 86.8° (4 kHz), 59.4° (8 kHz)
Directivity Index DI (dB)	1.3 (500 Hz), 3.9 (1 kHz), 5.4 (2 kHz), 6.7 (4 kHz), 8.2 (8 kHz)
Directivity Factor Q	1.4 (500 Hz), 2.4 (1 kHz), 3.5 (2 kHz), 4.6(4 kHz), 6.6 (8 kHz)
Nominal/Music power	12W/24W
Nominal Impedance @ 1kHz	833Ω (12W), 1.66kΩ (6W), 3.33kΩ (3W)
Dimensions Ø - P	140mm – 240mm
Aluminium bracket	140mm – 152mm
Weight	1.2kg
Material	ABS V0 type, painted grid in aluminium
Colour	White
Connections	Ceramic connectors and thermal fuse

Technical Parameters

Frequency response: measurement on IEC standard baffle, SPLMAX @ 4m



Impedance: measurements at different power taps: 12W – 6W – 3W



Polar diagram: Horizontal = Vertical

