

## DSP217EN

### 24W EN54 Fireproof Coaxial Wall-Mounted Speaker



#### Description

The DSP217EN Fireproof Coaxial Wall-Mounted Speaker is an on-wall or shelf-mountable 100V projector speaker designed for demanding public address and voice evacuation systems, with full compliance to the EN54-24:2008 standard. It features a superior 2-way coaxial design with a 5" woofer and a neodymium tweeter, delivering exceptional sound clarity and coverage. With selectable power taps (24W, 12W, 6W), it offers unparalleled flexibility for various installation environments.

The robust construction includes a flame-retardant ABS V0 plastic body and an aluminum protection grid, ensuring long-term reliability and an IP54 rating for indoor use. The integrated dual IN-OUT ceramic connector is key for a secure and efficient daisy-chain setup, with the included aluminum fixing bracket, waterproof cover and cable glands ensuring a complete and professional installation.

#### Features

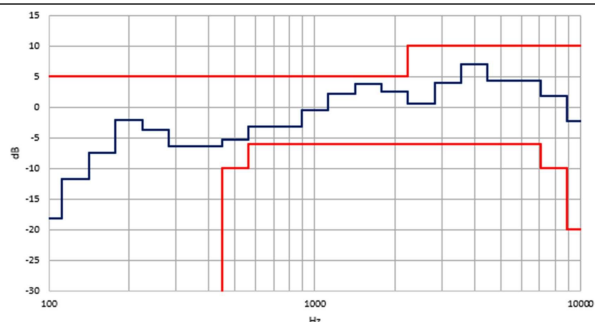
- Compliant with EN54-24:2008 for reliable voice evacuation and public address.
- 2-way coaxial design featuring a 5" woofer and neodymium tweeter for clear, full-range audio.
- Selectable power taps (24W, 12W, 6W) and daisy-chain capability for versatile system design.
- Flame-retardant ABS V0 body and aluminum grille with IP54 protection for durable indoor use.
- Includes aluminum bracket, waterproof cover, and cable glands for a quick and secure installation.

# Specifications

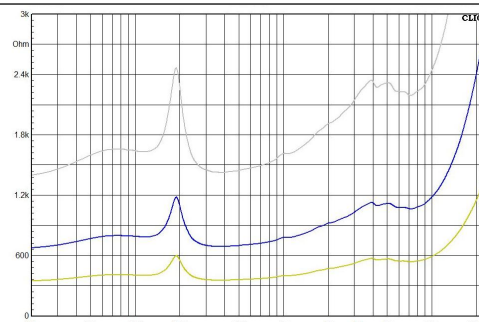
Model	DSP217EN
Standards	EN54-24:2008 Loudspeaker for voice alarm system for fire detection and fire alarm system
Environmental Class EN54-24	Type A, indoor applications
IP rate protection (EN60529)	IP54
Way no./Speaker type	2-way Ø130mm coaxial speaker, neodymium tweeter
Transformer	100V (24W – 12W – 6W)
In-axis Freq. response (-10dB)	110–20,000Hz
Sensitivity (@1m, 1W)	86.3dB
SPL max (@1m, Pmax)	100.3dB
Coverage angle (-6dB)	360° (500 Hz), 258° (1 kHz), 128° (2 kHz), 63.6° (4 kHz), 58° (8 kHz)
Directivity Index DI (dB)	1.4 (500 Hz), 3.9 (1 kHz), 5.2 (2 kHz), 8.4 (4 kHz), 8.5 (8 kHz)
Directivity Factor Q	1.4 (500 Hz), 2.4 (1 kHz), 3.3 (2 kHz), 6.9(4 kHz), 7.0 (8 kHz)
Nominal/Music power	24W/48W
Nominal Impedance @ 1kHz	416Ω (24W), 833Ω (12W), 1.66kΩ (6W)
Dimensions Ø - P	140mm – 240mm
Aluminium bracket	140mm – 152mm
Weight	1.46kg
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: 24W – 12W – 6W**



**Polar diagram: Horizontal = Vertical**

