

DSP602EN

6W EN54 Fireproof Ceiling Speaker



Description

The DSP602EN is an EN54-certified fireproof ceiling speaker designed for indoor voice alarm and public address systems. It features a 6.5" full-range dual-cone driver with selectable 6W/3W/1.5W power taps for 100V line connection, delivering clear and intelligible voice reproduction. The enclosure and fire dome are made of ABS V0 flame-retardant material, complemented by an aluminium protective grille for enhanced safety and durability. Equipped with a ceramic connector and built-in thermal fuse, the speaker ensures reliable operation under fire alarm conditions.

Features

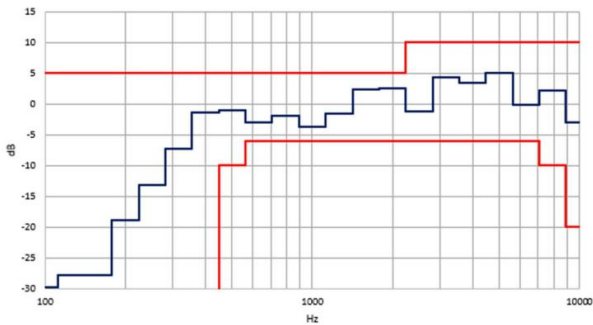
- EN54-24 certified, suitable for indoor voice alarm and public address systems.
- Supports 100V line connection with selectable 6W/3W/1.5W power taps.
- Features a 6.5" full-range dual-cone driver for clear and intelligible voice reproduction.
- ABS V0 flame-retardant enclosure and fire dome with an aluminium protective grille ensure fire safety and durability.
- Equipped with a ceramic connector and built-in thermal fuse for reliable and safe operation.
- Designed for false ceiling or gypsum panel installation and supports daisy-chain wiring.

Specifications

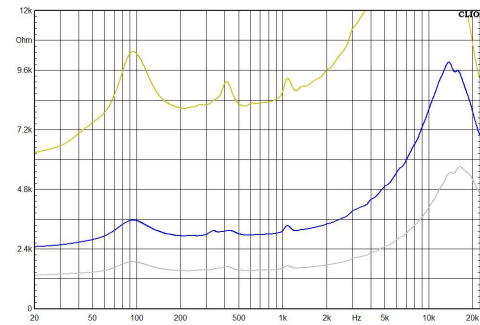
Model	DSP602EN
Standards	EN54-24:2008 Loudspeaker for voice alarm system for fire detection and fire alarm system
Environment Class EN54-24	Type A, indoor applications
IP rate protection (EN60529)	IP21C
Way no. / Speaker type	1-way dual cone, full range \varnothing 165mm
Transformer	100V (6W – 3W – 1.5W)
In-axis Freq. response (-10dB)	350–20,000Hz
Sensitivity (@1m, 1W)	88dB
SPL max (@1m, Pmax)	96dB
Coverage angle (-6dB)	281° (500 Hz), 170° (1 kHz), 87° (2 kHz), 52° (4 kHz), 30° (8 kHz)
Directivity Index DI (dB)	2.8 (500 Hz), 4.0 (1 kHz), 7.1 (2 kHz), 9.2 (4 kHz), 11.3 (8 kHz)
Directivity Factor Q	1.9 (500 Hz), 2.5 (1 kHz), 5.1 (2 kHz), 8.4 (4 kHz), 13.6 (8 kHz)
Nominal/Music power	6W/12W
Nominal Impedance @ 1kHz	1.66k Ω (6W), 3.33k Ω (3W), 6.66k Ω (1.5W)
Dimensions \varnothing - P	190mm – 108mm
Weight	1.0kg
Material	ABS V0 type, painted grid in aluminium
Colour	White
Connections	Ceramic connector and thermal fuse

Technical Parameters

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



Impedance: measurements at different power taps: 6W – 3W – 1.5W



Polar diagram: Horizontal = Vertical

