

## DSP5311EN

### 12W EN54 Fireproof Surface-Mounted Ceiling Speaker



#### Description

The DSP5311EN is an EN54-certified fireproof surface-mounted ceiling speaker designed for indoor voice alarm and public address systems. It features a 6.5" full-range dual-cone driver with selectable 12W/6W/3W power taps for 100V line connection, delivering clear and intelligible sound. The ABS V0 flame-retardant enclosure and aluminium grille ensure durability and safety, while the ceramic connector and built-in thermal fuse provide reliable operation.

#### Features

- EN54 certified ceiling speaker.
- With a 6.5" unit driver and a 100V transformer.
- With selectable 12W/6W/3W power taps for flexible system design.
- ABS V0 flame-retardant enclosure with aluminium protective grille.
- With ceramic connector and thermal fuse for overheat protection.
- Includes double cable ferrules for daisy-chain connection.

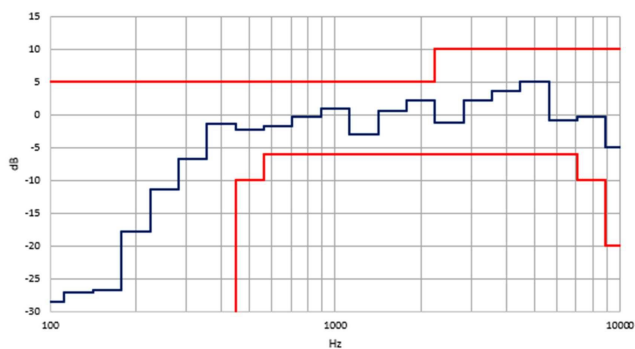
#### Specifications

Model	DSP5311EN
Standards	EN54-24:2008
Environmental Class EN54-24	Loudspeaker for voice alarm system for fire detection and fire alarm system Type A, indoor applications

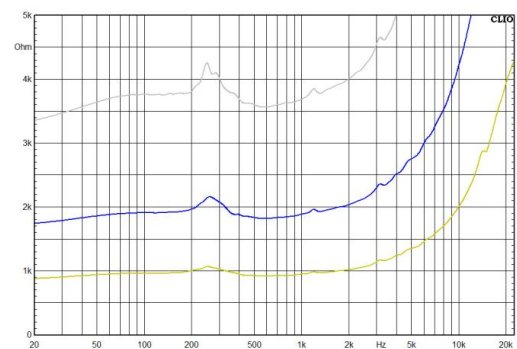
IP Rate Protection (EN60529)	IP21C
Way no. / Speaker type	1-way dual cone, full range Ø165mm
Transformer	100V (12W – 6W – 3W)
In-axis Freq. response (-10dB)	230–16,000 Hz
Sensitivity (@1m, 1W)	89dB
SPL max (@1m, Pmax)	100dB
Coverage angle (-6dB)	180° (500 Hz), 95.6° (1 kHz), 116° (2 kHz), 48° (4 kHz), 35° (8 kHz)
Directivity Index DI (dB)	-3.8 (500 Hz), 3.4 (1 kHz), 5.1 (2 kHz), 9.1 (4 kHz), 10.8 (8 kHz)
Directivity Factor Q	0.4 (500 Hz), 2.2 (1 kHz), 3.2 (2 kHz), 8.2 (4 kHz), 12 (8 kHz)
Nominal/Music power	12W/24W
Nominal Impedance @ 1KHz	833Ω (12W), 1.66kΩ (6W), 3.33kΩ (3W)
Dimensions Ø - P	203mm – 95mm
Weight	1.02kg
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: 12W – 6W – 3W**



**Polar diagram: Horizontal = Vertical**

