

## DSP2254EN

### 10W EN54 Fireproof Ceiling Speaker with Fire Dome



#### Description

The DSP2254EN is an EN54-certified fireproof ceiling speaker designed for indoor voice alarm and public address systems. Featuring a 6.5" full-range dual-cone driver with selectable 10W/5W/2.5W power taps for 100V line connection, it delivers clear and intelligible sound. The speaker is built with a steel fire dome and an aluminium protective grille for enhanced fire safety and durability. Equipped with a ceramic connector and built-in thermal fuse, it ensures reliable operation under demanding conditions.

#### Features

- EN54-24 certified, suitable for indoor voice alarm and public address systems.
- Supports 100V line connection with selectable 10W/5W/2.5W power taps.
- Features a 6.5" full-range dual-cone driver for clear and intelligible sound.
- Steel fire dome and aluminium protective grille provide fireproof protection and durability.
- Equipped with a ceramic connector and built-in thermal fuse for reliable operation.
- Designed for false ceiling or gypsum panel installation and supports daisy-chain wiring.

#### Specifications

Model	DSP2254EN
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 Ø165mm
Transformer	100V (10W – 5W – 2.5W)
In-axis Freq. response (-10dB)	350–18,000Hz
Sensitivity (@1m, 1W)	90dB
SPL max (@1m, Pmax)	100dB
Coverage angle (-6dB)	360° (500 Hz), 236° (1 kHz), 86° (2 kHz), 64° (4 kHz), 27° (8 kHz)
Directivity Index DI (dB)	2.6 (500 Hz), 3.3 (1 kHz), 7.1 (2 kHz), 8.5 (4 kHz), 10.8 (8 kHz)
Directivity Factor Q	1.8 (500 Hz), 2.2 (1 kHz), 5.2 (2 kHz), 7.0 (4 kHz), 12.0 (8 kHz)
Nominal/Music power	10W/20W
Nominal Impedance @ 1kHz	1kΩ (10W), 2kΩ (5W), 4kΩ (2.5W)
Dimensions Ø - P	200mm – 100mm
Weight	1.11kg
Material	Steel dome, painted grid in aluminium
Colour	White and red
Connections	Ceramic connector and thermal fuse

## Technical Parameters

