

## DSP227EN

### EN54 Outdoor Wall Mount Speaker



#### Description

This product is a EN54-24 certified 100V full-range outdoor wall mount speaker with a 5" speaker and power taps for 24W/12W/6W. It can be used for voice alarm and fire detection. With IP66 waterproof level, it is suitable for indoor and outdoor applications.

#### Features

- On wall or shelf projector 100V speaker, 24W-12W-6W, power taps, EN54-24:2008 standard certified.
- Plastic body made in ABS V0 type, Protection grid in aluminium. Suitable for indoor and outdoor installation, IP rate protection: IP66.
- Wide band bi-cone 5" speaker, audio transformer for connection to 100V or 70V lines, thermal fuse for protection of the speaker line in case of overheating, dual IN-OUT ceramic connector.
- Including aluminium fixing bracket, waterproof cover and IN-OUT cable glands for easy daisy-chain speakers' connection.

#### Specifications

Model	DSP227EN
Standards	EN54-24 Loudspeaker for voice alarm system for fire detection and fire alarm system
Environmental Class EN54-24	Type B, outdoor applications
IP rate protection (EN60529)	IP66
Way no./Speaker type	1 via bicono, full range Ø130mm
Transformer	100V (24W - 12W - 6W)
In-axis Freq. response (-10dB)	110 ÷ 18.000 Hz
Sensitivity (@1m, 1W)	86.3 dB SPL
SPL max (@1m, Pmax)	100.3 dB SPL

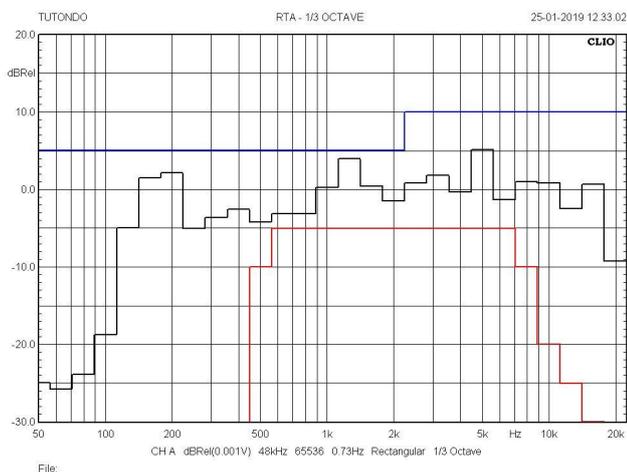
Coverage angle (-6dB)	360° (500 Hz), 262° (1 kHz), 131° (2 kHz), 82.3° (4 kHz) 61.5° (8 kHz)
Directivity Index DI (dB)	1.4 (500 Hz), 3.7 (1 kHz), 5.1 (2 kHz), 7.1 (4 kHz) 8.5 (8 kHz)
Directivity Factor Q	1.4 (500 Hz), 2.4 (1 kHz), 3.3 (2 kHz), 5.2 (4 kHz) 7.0 (8 kHz)
Nominal/Music power	24W/48W
Nominal Impedance @ 1KHz	416.6Ω(24W) – 833.3Ω(12W) – 1.66kΩ(6W)
Dimensions Ø - P	140mm - 240mm
Aluminium bracket	140mm - 152mm
Weight	1,4 Kg
Material	ABS V0 type – painted grid in aluminium
Colour	White

**Notes:**

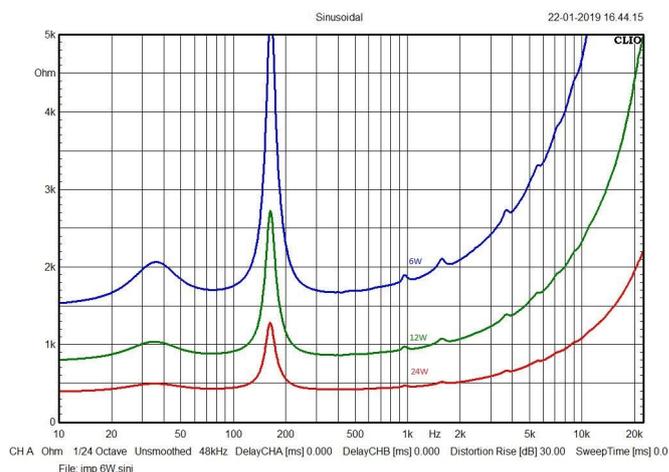
- Reference axis: axis at the centre of the grid and perpendicular to the surface of the grid itself.
- Reference plane on the surface of the grid and perpendicular to the reference axis.
- Horizontal / vertical plane. Passing through the reference axis perpendicular to the reference plane.

**Technical Parameters**

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



**Impedance: measurements at different power taps: 24W – 12W – 6W**



0 dBref = 90 dB @ 4m

**Polar diagram: Horizontal = Vertical**

