

Section EN54 Voice Evacuation Systems

Category EN54-24 Loudspeakers

Code C45/12V-EN

References

Safety: Compliant to EN 50200, EN 62368-1

Emergency: EN54-24:2008 (cert. no. 0068/CPR/153-2020)
ISO 7240-19:2010 - CEN/TS 54-32:2015 - EN 50849

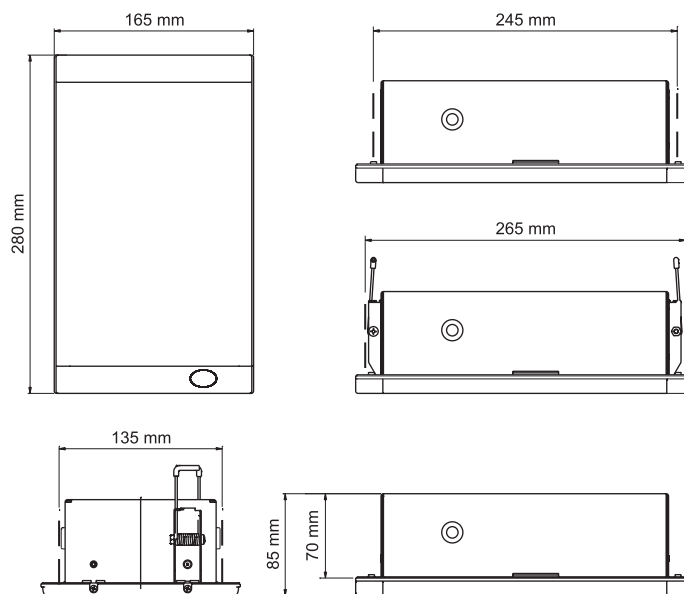
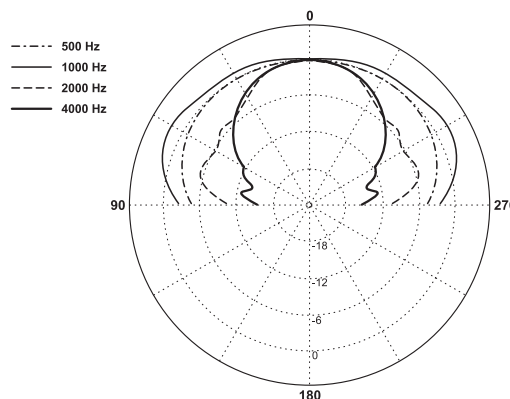
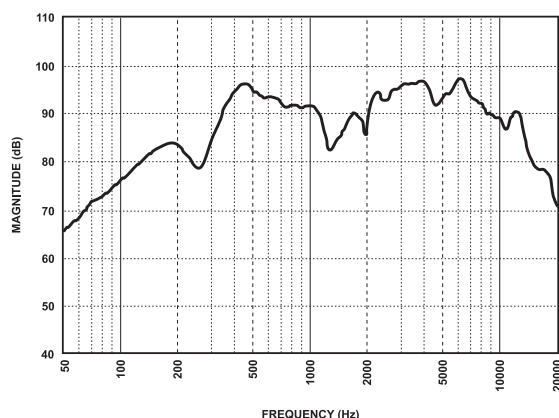
Application: Indoor environment (Type A)



Description EN54-24 12W Vandal-proof loudspeakers for voice alarm systems

C45/12V-EN vandal-proof speaker unit is characterised by a metallic housing and front grille. It is equipped with a constant-voltage transformer (50, 70, 100 V); the output power is adjustable (12, 6 or 3 W). The fixing system enables it to be flush-mounted on a wall or in a false ceiling. These speaker units have been developed specifically for use in emergency and evacuation systems (VES) and each has its own ceramic terminal strip and thermal fuse. These ensure the protection of the line connecting the loudspeakers if a fire puts one or more of the speaker units connected to it out of use. Moreover, the sturdy metal structure and the latch with safety screws make this speaker unit particularly suitable for specific environments such as psychiatric hospitals, isolation cells, prisons and for all those conditions in which protection against vandalism is required.

Technical data



Technical data

C45/12V-EN



20

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0068/CPR/153-2020

EN 54-24

Loudspeaker for voice alarm systems
for fire detection and fire alarm systems for buildings

C45/12V-EN

Type A

No. of loudspeakers	1
Rated output	12 W (100 V)
Rated impedance (100 V line)	830 Ω (12 W) / 1670 Ω (6 W) / 3330 Ω (3 W)
Rated impedance (70 V line)	408 Ω (12 W) / 817 Ω (6 W) / 1633 Ω (3 W)
Frequency response	150 ÷ 15.000 Hz
Efficiency @ 1W/1m	92 dB
Maximum acoustic pressure SPL @ 12W/1m	103 dB
Dispersion angle (- 6dB)	500 Hz: 180° 1 kHz: 180° 2 kHz: 120° 4 kHz: 80°
Material	Metallic housing and front grille
Colour	White
Size	165 x 280 x 85 mm
Net weight	2 kg