Data Sheet

CF2234 200mm (8”) 100V 5W Ceiling Speaker White AS ISO7240.24

Description

CF2234 is a ceiling mount speaker certified to the AS ISO7240.24 standard for fire & evacuation announcements in buildings. Each speaker is fitted with a fire retardant speaker/transformer dome and is fitted with sealed gland cable entries and terminal blocks for easy on site termination. The speaker utilises the One-Shot ‘snap fit’ mounting system.

Specifications

Rated Noise Power	5 Watts (100V line)
Power Taps & Impedance (100V line)	0.33W (30kΩ), 0.66W (15kΩ), 1.25W (8kΩ), 2.5W (4kΩ), 5W (2kΩ)
Sensitivity	94dB (1W @ 1m), 82dB (1W @ 4m)
Maximum Sound Pressure Level	100dB (5W @ 1m), 88dB (5W @ 4m)
Frequency Response	100Hz - 15kHz, 315Hz - 6.3kHz: ±5dB
Coverage Angle (-6dB)	500Hz: >180°, 1000Hz: 165°, 2000Hz: 85°, 4000Hz 65°
Environmental Type	A (for indoor applications as per standard)
Speaker Component	200mm (8”) paper cone speaker
Mounting Hole	246mmØ
Mounting Method	6 x plastic spring loaded clip
Line Monitoring	Yes, 22µF bipolar capacitor
Applicable Cable	2.5mm^2 (14AWG) max conductor area
Connection	4 way screw terminal
Finish	White flame retardant ABS grille (ABS AF312C) Clear Flame retardant ABS spring clips (Makrolon 6557) Red flame retardant ABS transformer dome cover (Starex VH-0800) Powdercoated aluminium grille insert (RAL9003 white)
Dimensions	266Ø x 103Dmm
Weight	1.25kg
Quantities	6 per carton, 240 per pallet.

Test Method

This specification data was measured in an anechoic chamber with the microphone 4m from the speaker under test, according to the AS ISO7240.24. Specifications at 1m were calculated from the measurements at 4m in accordance with AS ISO7240.24.

Reference axis: Axis is on the centre of the grille surface and perpendicular to the grille surface.

Reference plane: Plane is on the grille surface and perpendicular to the reference axis.

Horizontal plane: Plane containing the reference axis and perpendicular to the reference plane.

Dimensions (mm)