

Fire detection and evacuation solutions that save lives.

10W Horn Speaker

Features

- AS ISO 7240.24 certified (Activfire afp-3684)
- High degree of speech articulation.
- Reduced installation time.
- No external frequency equalisation required.
- Available in three colours.

Description

The Horn Speaker is certified to the AS7240.24:2018 product standard for fire evacuation announcements in buildings.

Requiring no external frequency equalisation, the Horn Speaker can be used for fire and evacuation systems where a high degree of speech articulation and program clarity is paramount.

Typical applications include schools, train and bus stations, airports, car parks and plant rooms.

The speakers utilise a twist lock cap mechanism to reduce installation time during cable termination, and are available in three colours.

Test Method

The specification data was measured in an anechoic chamber with the microphone 4 meters from the speaker under test, according to AS 7240.24. Specifications at 1 meter were calculated from the measurements at 4 meters in accordance with AS 7240.24.

Reference Axis: Axis is on the center of the horn and perpendicular to the plane containing the horn and mouth.

Reference Plane: Plane is on the horn driver plane and perpendicular to the reference axis.

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

Vertical Plane: Plane containing the reference axis and perpendicular to the reference plane and horizontal plane.



Item Numbers

4113-1025	Horn Speaker 10W 100V Grey (CF2050G)
4113-1026	Horn Speaker 10W 100V Black (CF2050B)
4113-1027	Horn Speaker 10W 100V White (CF2050W)

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Specifications

Rated Noise Power	10 Watts (100V line)
Power Taps & Impedance	1.25W (8kΩ), 2.5W (4kΩ), 5W (2kΩ), 7.5W (1.33kΩ), 10W (1kΩ)
Sensitivity	Horizontal: 104dB (1W @ 1m), 92dB (1W @ 4m) Vertical: 103dB (1W @ 1m), 91dB (1W @ 4m)
Maximum Sound Pressure Level	Horizontal: 112dB (10W @ 1m), 100dB (10W @ 4m) Vertical: 112dB (10W @ 1m), 100dB (10W @ 4m)
Frequency Response	Horizontal & Vertical: 100Hz - 12.5kHz, 500Hz - 6.3kHz 0±5dB
Coverage Angle (6dB)	Horizontal: 500Hz: 95°, 1000Hz: 120°, 2000Hz: 90°, 4000Hz: 40° Vertical: 500Hz: 130°, 1000Hz: 130°, 2000Hz: 115°, 4000Hz: 55°
Environmental Type	B (for outdoor applications as per standard)
Speaker Component	Aluminium voice coil former
Mounting Depth	259mm
Mounting Method	Wall bracket with mounting holes
Line Monitoring	Yes, 22µF bipolar capacitor
Application Cable	2.5mm ² (14AWG) max conductor area
Connection	4 way screw terminal
Finish	Flame retardant ABS (Absolac 300)
IP Rating	IP66
Operating Temperature	-20°C to +50°C
Weight	1.4kg

Dimensions (mm)

