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SPHWB-100W-480-EN54

HIGH POWER BOUNDARY HORN SPEAKER BLACK

- Weatherproof Horn Loudspeaker
- 100W 100V
- High Sound Pressure Level
- Indoor or Outdoor Use, Including Tunnels
- Weatherproof to IP65
- UL 94-V0 Speaker Housing
- Thermal Fuse and Ceramic Terminals
- Full range sound Quality
- Certified to EN 54-24

Public Address | Voice Alarm | EN54 EN 54 Certified

Description

The SPHWB-100W-480-EN54 100V weatherproof horn loudspeaker is suitable for indoor or outdoor use in Voice Alarm and Public Address applications. It is built to withstand corrosive atmospheric contaminants, high moisture levels and temperature extremes, and is suitable for use in environments such as tunnels.

The horn provides an enormous sound pressure level, providing a maximum average SPL of at least 135dB Pmax/1m which enables intelligible voice announcements over a large area using a minimum number of loudspeakers.

The SPHWB-100W-480-EN54 has an asymmetric hyperbolic horn geometry; a very balanced frequency response; a very low distortion (using a high quality 100W horn driver with a high performance CCAR voice coil) and can make intelligible Voice Alarm and Public Address announcements over distances of 90 to 300 metres. The loudspeaker housing for the horn and driver cover are made from an UL 94-V0 flame retardant and impact resistant black plastic, with rust-free stainless steel fastenings.

Two mounting kit options are available for installing the loudspeaker to ceilings, both containing high quality V4A/A4 Austenitic Stainless Steel Brackets and Screws. The SPAC-V4A-HW4 kit includes 4 Brackets. The SPAC-V4A-HWP kit includes 3 pieces which are assembled to create a premium speaker bracket which can be installed by one person. Both kits include M8x20 screws to fix the speaker to the brackets.

No additional equalizer is needed to ensure the speaker’s frequency response meets the requirements of the EN 54-24

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standard.

The recommended settings of EQ / DSP when using a STIPA test signal at maximum load are: High pass (HP) 300 Hz to 400 Hz with 12 dB slew rate (Butterworth).

Enhanced Acoustic Simulator for Engineers (EASE) data for this loudspeaker is available on request.

Used With

V2000

PAVA 2000W Power Amplifier Mainframe (0 amps Pre Installed)

from site

D150

PAVA 150W Power Amplifier Module for the V2000 / INTEGRA

from site

D500

PAVA 500W Power Amplifier Module for the V2000 / INTEGRA

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