

The HA-2240EN is certified to the European Standard EN 54-24: 2008, Loudspeaker for voice alarm systems for fire detection and fire alarm systems. In compliance with the British Standard BS 5839-8: 2008. DoP number is 23-104.

DESCRIPTION

The HA-2240EN is composed of multiple horn speakers positioned in an array. It is a highly efficient speaker. Clear voice can be transmitted to a distant place without acoustic correction. The built-in high-pass filter cuts the bass that can damage the speaker. Drip-proof structure, and a salt-resistant paint finish, it has excellent durability in an outdoor permanent environment.

SPECIFICATIONS

Rated Input	240 W
Rated Impedance	100 V line: 42 Ω (240 W), 83 Ω (120 W) 70 V line: 21 Ω (240 W), 42 Ω (120 W)
Sensitivity	115 dB (1 W, 1 m) (500 Hz – 5 kHz, IEC60268-5)
Max. SPL	138 dB (240 W, 1 m) (500 Hz – 5 kHz, IEC60268-5)
Frequency Response	490 Hz – 4.2 kHz (–10 dB) 280 Hz – 8 kHz (–20 dB)
Speakers Component	Horn speaker unit X 6
IP code	IP66
EN 54-24 specifications	Sensitivity: 91 dB (1 W, 4 m) Max. SPL: 114 dB (240 W, 4 m) Coverage Angle (–6 dB): Horizontal: 200° (500 Hz), 120° (1 kHz), 65° (2 kHz), 40° (4 kHz) Vertical: 40° (500 Hz), 20° (1 kHz), 10° (2 kHz), 15° (4 kHz) Environmental Type: B (outdoor applications) IP Code: IP33C
Speaker Cable	4-core cabtyre cord 2 m (6.56 ft)
Cable Gland	Size: PG 13.5 – 12 (gray) ...1 Cable Diameter Range: 12.5 – 6.5 mm (0.49" – 0.26") Size: PG 13.5 – 08 (black) ...1 Cable Diameter Range: 9 – 4.5 mm (0.35" – 0.18") Two cable glands are factory-installed.
Input Terminal	Ceramic terminal (3-pole), can be bridge-connected ...1 Ceramic terminal (2-pole) ...1 Thermal fuse is included.
Applicable Wire Size	For Ceramic terminal (3-pole) Conductor: Solid wire or 7-core wire No bridge connection: 0.8 – 10 mm ² (AWG 18 – 7) for solid wire, 0.8 – 8 mm ² (AWG 18 – 8) for 7-core wire Bridge connection: 0.8 – 2.5 mm ² (AWG 18 – 13) for solid wire, 0.8 – 1.5 mm ² (AWG 18 – 15) for 7-core wire
Operating Temperature	–20 °C to +55 °C (–4 °F to 131 °F)
Finish	Case: FRP, white (RAL 9016 equivalent), paint Front grille: Aluminum, white (RAL 9016 equivalent), paint Bolts: Stainless steel
Dimensions	215 (W) x 1110 (H) x 309 (D) mm (8.46" x 43.7" x 12.17") (excluding projection)
Weight	33 kg (72.75 lb) (unit only)
Accessory	Terminal box ...1
Option	Speaker mounting bracket: YS-1100A

Notes: The speaker must be installed upright or facing down. Installing the speaker in any other position may render the drainage hole ineffective, eventually leading to an electrical failure or other damage.

