

Voice Alarm

LEN-100

Passive 100 V line source speaker, EN 54-24 certified, 8 × 4", 130° × 15°, approx. 130 × 990 × 120 mm, weatherproof



Voice Alarm LEN-100

The LEN-100 is a passive 100 volt line source speaker certified according to EN 54-24 Type B for use in voice alarm systems. Like all products in the Voice Alarm series, it is equipped with a weatherproof, steel-reinforced aluminum housing, making it equally suitable for indoor and outdoor use. The LEN column loudspeakers guarantee excellent speech intelligibility and long ranges even in difficult acoustic environments.

Main features

- 8 x coated 4" chassis
- Uniform directivity
- Suppression of unwanted side lobes thanks to Fohhn Source Division Waveguide
- Weatherproof without additional protection (degree of protection IP54 according to IEC 529 / EN 60529)
- 8 x M6 thread for safe installation
- Available in different colors (RAL Classic, Pantone, NCS) or with Fohhn Texture Design
- In order to ensure performance and operational safety, Fohhn system amplifiers including the correct speaker preset are required.

Available with the following color options



Black



White

Equipped with the following Fohhn technologies



Fohhn Texture Design



Fohhn Source Division Waveguide



100 V optional



Special colors optional



Weatherproof execution

Technical data

Electroacoustic features

acoustic design	weatherproof passive line source speaker system, closed, passive 2-way CD crossover and filter, suppression of side lobes by Source Division Waveguides
components	8 x 4" drivers with treated cones
sensitivity 1 W @ 4 m in accordance with EN 54-24	84 dB SPL
SPLmax 100 V @ 4 m in accordance with EN 54-24 (trafo S/M/L)	99 dB SPL / 102 dB SPL / -
transformer options, power handling in acc. with EN 54-24 100 V (trafo S/M/L)	80 W / 160 W / -
transformer options, power handling in acc. with EN 54-24 70 V (trafo S/M/L)	39.2 W / 77.8 W / -
impedance 100 % tap (trafo S/L/M)	125 ohm / 63 ohm / -
impedance 50 % tap (trafo S/M/L)	250 ohms / 125 ohms / -
impedance 25 % tap (trafo S/M/L)	500 ohms / 250 ohms / -
2-way design	yes
nominal directivity (h x v) (-6 dB, average @ 1-4 kHz)	130° x 15°
directivity (h x v) (octave band) in acc. with EN-54-24 @ 500 Hz	360° x 55°
directivity (h x v) (octave band) in acc. with EN 54-24 @ 1000 Hz	190° x 25°
directivity (h x v) (octave band) in acc. with EN 54-24 @ 2000 Hz	120° x 15°
directivity (h x v) (octave band) in acc. with EN 54-24 @ 4000 Hz	95° x 8°

Features

enclosure	weatherproof aluminium housing, powder coated, steel bracings
front design	ball impact resistant grille, galvanized and powder coated in housing colour backed by acoustically transparent foam
weight (trafo S/M/L)	aprox. 9 kg / 9.5 kg / -
standard colours	black (RAL 9005) or white (RAL 9016), powder-coated
mounting points	8 x M6 screw threads
certificates	EN 54-24 type B
EN 54-24	1
connectors	terminal connectors capable of receiving up to 4 mm ² , two per pin, terminal cover with dual cable gland for up to 10 mm cable diameter
dimensions (W x H x D)	approx. 130 x 990 x 120 mm

Optional features

optional weather protection as standard (protection class IP54, in accordance with IEC 529 / EN 90529)

optional connectors ceramic terminals capable of receiving up to 2.5 mm²

optional colours RAL Classic / NCS / Pantone on request, Fohhn Texture Design

CAAD simulation data

simulation data EASE, CLF, Ulysses, Fohhn Designer

weight: net weight without optional equipment

sensitivity 1 W / SPLmax 100 V @ 4 m in accordance with EN 54-24: measured in the far field of the speaker, count back to 4 m distance

impedance 100 / 50 / 25 % tap: measured at a voltage producing 1 W per speaker system

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