

WARNING AND INFORMATION

Electronic Siren ECN 1200-D

SYSTEM

| | |
|---|------------------------|
| Sound Pressure Level | 115 dB (A) / 30 m |
| Fundamental Frequency | 415 Hz / 425 Hz |
| Siren Sound / Signal | Customer Specification |
| Digital Textmessages | Customer Specification |
| Standby-time | up to 7 days |
| Number of Alarms available within 48 h without Mains Power Supply | up to 20 |

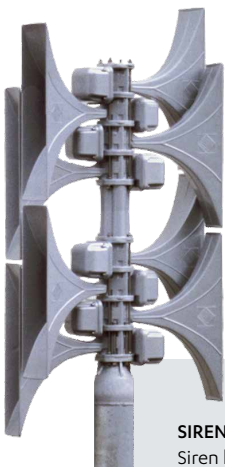
SIREN HEAD

| | |
|----------------------------|---------------------|
| Number of Horns / Drivers | 8 |
| Weight Siren Head | 59 kg |
| Head Dimension (W x H x D) | 300 x 1605 x 850 mm |
| Windload at 160km/h | 1064 N |
| Material of Horns | Aluminium (Alloy) |

SIREN CABINET

| | |
|-----------------------------------|----------------------------------|
| Number of Class-D Amplifiers | 4 |
| Mains Power Supply | 230 V oder 110 V +/-10% |
| Battery Voltage | 24 V |
| Max. Charging Current | 4 A |
| Local Activation and Display | Foil Keypad and LCD Display |
| Remote Activation and Control | Customer Specification |
| Live PA Announcements | Yes |
| Cabinet Dimensions (W x H x D) | 600 x 600 x 350 mm |
| Cabinet Design | Stainless Steel or Powder-coated |
| Cabinet Protection | IP65 |
| Weight incl. Batteries | 85 kg |
| Cabinet Ambient Temperature Range | -25 °C ... +65 °C |

Specifications are subject to change without notice.



SIREN HEAD

Siren head consisting of self-supporting siren horns in modular construction. Single Slit diffraction effect leads to omnidirectional 360° sound propagation.



SIREN CABINET

Compact and clearly designed, based on 19" plug-in technology and modular construction. Robust assemblies and the absence of moving parts such as fans guarantee maximum reliability.

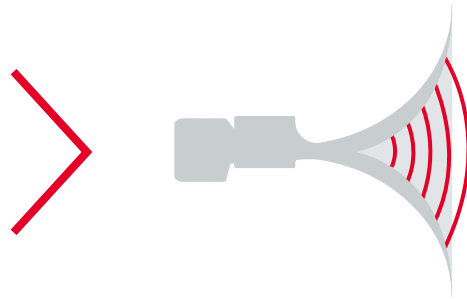
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Sound Propagation by the ECN Siren Horn

VERTICAL SOUND PROPAGATION

The ECN siren horn is a specific development with exponential increase of the horn's cross sectional surface, to propagate siren signals with high sound intensity.

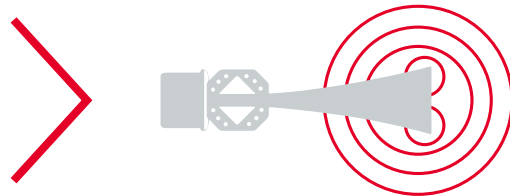
This special horn design assures optimum propagation of the sound wave within the horn, is widely in use, thoroughly tested and has proven to generate signals with high intensity.



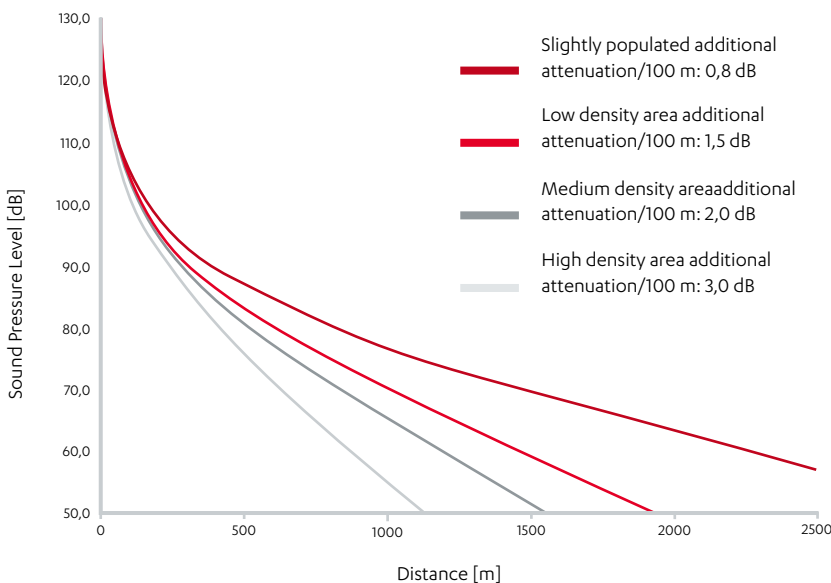
HORIZONTAL SOUND PROPAGATION

The siren horn's omnidirectional propagation of the sound wave in horizontal plane is based on the „Huygens principle“.

This physical guideline explains the diffraction of a sound wave at a single slit. Diffraction of sound results in a circular sound wave of omnidirectional characteristic, which leads to 360° sound propagation.



Propagation of Sound Pressure Level (SPL)



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