

# Electronic Siren ECN 600-D

## SYSTEM

Sound Pressure Level	109 dB (A) / 30 m
Fundamental Frequency	415 Hz / 425 Hz
Alarms (Warning Tones)	9 (customized)
Messages (Pre-recorded Voice)	12 (customized)
Standby Time	up to 7 days
Battery Capacity during 48h without charge	up to 20 minutes activation

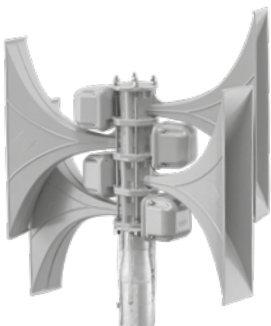
## SIREN HEAD

Number of Horns / Drivers	4
Weight Siren Head	28 kg
Head Dimension (W x H x D)	280 x 960 x 840 mm
Windload at 160 km/h	522 N
Material of Horns	Aluminium (Alloy)

## SIREN CABINET

Number of Class-D Amplifiers	2
Operating Voltage / Batteries	24 VDC
Mains Power Supply	230 VAC or 110 VAC +/-10%
Maximum Charging Current	4 A
Solar Power Supply	optional / on request
Local Activation and Control	Foil Keypad with LCD Display
Cabinet Dimensions (W x H x D)	600 x 600 x 350 mm
Cabinet Design	Stainless Steel or Powder Coated
Protection Class	IP66
Weight incl. Batteries	82 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 360° omnidirectional sound propagation.



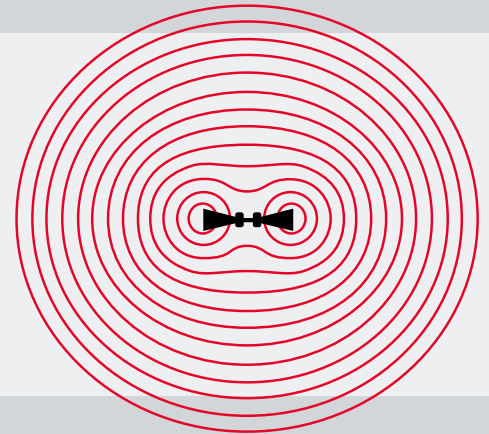
### SIRENEN CABINET

Compact and clearly designed, based on 19" plug-in technology and modular construction. Robust assemblies with long design life guarantee maximum reliability.

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## HORIZONTAL SOUND PROPAGATION

The siren horn's omnidirectional 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.



## VERTICAL SOUND PROPAGATION

The ECN siren horn is a specific development with exponential increase of the horn's cross sectional surface, to propagate alarms and messages 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 the high perception by the public.

## PROPAGATION OF SOUND PRESSURE LEVEL (SPL)

