

21185 - LRRIZ AC IP66 Repeater with 120 dB Siren and Xenon Visual

Revision: 01 | Creation Date: 2026-06-05 | Revision Date: 2026-07-30



Model: 21185 | LRRIZ



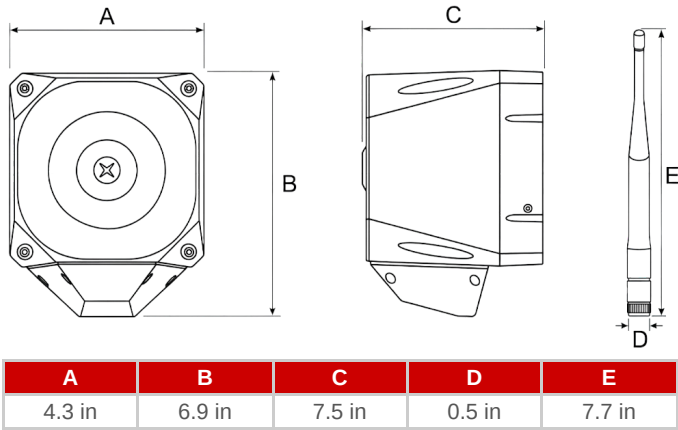
Application

The 120 dB Siren with Xenon Visual emits high-power audio alerts and strobe signaling locally upon receiving alarm signals, extending emergency signaling coverage. It also functions as a repeater, retransmitting signals between field devices and the alarm control panel. Suitable for indoor and outdoor use (IP66).

Operation

Upon receiving an alarm signal from the control panel, the device immediately activates the siren and visual signaling.

Dimensions



Standard Features

- Wireless protocol — 2.4 GHz, ISM band (Industrial, Scientific and Medical).
- AC power supply (100/240 VAC) with two internal Sealed Lead-Acid backup batteries.
- IP66 ingress protection — suitable for indoor and outdoor installation.
- 128-bit AES encryption; restricted to enrolled installation unit.
- Communication range: up to 120 m indoor and up to 1,500 m outdoor (line of sight).
- Tamper detection: removal alert at control panel within 2 seconds.
- Low-battery alert and level indication at the control panel.
- Equipment fault indication at the Fire Detection and Alarm Panel within 5 minutes.
- Internal battery estimated lifespan of 24 months as specified by the manufacturer; after this period, capacity may decrease — preventive inspection is recommended.

Radio Certifications:



Specifications

ENVIRONMENTAL CHARACTERISTICS	
Ingress Protection	IP66
Operating temperature	-10 to 55 °C
Storage temperature	0 to 40 °C
Relative humidity	10% to 95%
ELECTRICAL CHARACTERISTICS	
Power supply	100/240 VAC (dual-voltage), 15.00 W
Normal operation current	≤ 108 mA
Triggering current	≤ 110 mA
BATTERY	
Type	Sealed Lead-Acid 2 × 6 V, 1,300 mAh
Charging time	≤ 12 hours
Battery autonomy	≥ 25 h (audio and visual off)

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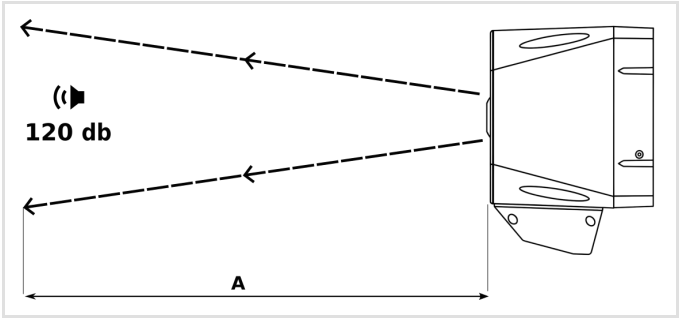
Specifications

DIMENSIONS	
Body (A × B × C)	4.3 × 6.9 × 7.5 in
Antenna (E × D × D)	7.7 × 0.5 × 0.5 in
Weight	870 g
AUDIO	
Sound output	120 dB @ 1 m
Sound signal types	42 types
RADIO FREQUENCY — 802.15.4	
Operating channels	11 to 26 (default 26)
Network encryption	AES 128-bit
Data transfer rate	256 kbps
Modulation	O-QPSK
Antenna gain	5 dBi
TX power	≤ 20 dBm
Sensitivity	-102 dBm
Antenna type	External
Indoor range	120 m
Outdoor range (line of sight)	1,500 m
Standard	802.15.4

LED Indicators

LED	State	Description
	Red Alarm	External xenon strobe active — siren and visual signaling activated by the control panel.

Sound Propagation



The directional horn concentrates sound energy in a narrow angle, projecting sound with greater range and precision in a specific direction. It is recommended for environments where directed sound propagation is desired, reducing lateral dispersion and maximizing coverage of the target area.

A: reference distance of 1 m for peak sound pressure level measurement at 120 dB.