

wLSN Siren (Indoor)

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- ▶ Siren with an output level of 85 dBA at 3 m (10 ft)
- ▶ Wiring terminals for connection of optional alternate power source (6 VDC to 14 VDC)
- ▶ Externally-visible LED indicates test status and RF signal strength
- ▶ Determine suitability of chosen installation location with RF Signal Strength (RFSS) mode
- ▶ Supervised for low-battery, cover-tamper, and wall-tamper conditions

The wLSN Siren (Indoor) is a wireless sounding device. The wireless Local SecurityNetwork (wLSN) protocol synchronizes multiple output devices in the same system so that they all sound together using the same cadence.

Functions

Alternate Power Supply

An optional alternate external 6 VDC to 14 VDC power supply can be connected to the siren. The alternate power supply is used as a supplemental supply to power the siren.



Notice

Do not operate the wLSN Siren without batteries.

RF Signal Strength Mode

Removing the device cover and pressing the tamper switch four times within 10 seconds of battery installation activates the RF signal strength mode. The LED lights steady for 5 sec and then begins to flash. A slow flash (approximately 1 sec on, 1 sec off) indicates insufficient signal reception. A quickly flashing LED

(approximately five times as fast as the slow flash) indicates the device is receiving sufficient signal from the wLSN Hub.

Use an an Alerting Device

The wLSN Siren produces an output level of 85 dB at 3 m (10 ft); thereby meeting the requirements of most certifying agencies for use as an alerting device. Verify that it meets the requirements of the local authority having jurisdiction (AHJ).

Certifications and approvals

Listings and Approvals:

Complies with: EN50131-1 Grade 2, Environmental class II

| Region | Certification | |
|---------|---------------|---|
| Europe | CE | 1999/5/EC, IEC60950-1: 2001, EN60950-1:2001 +A1:2004, EN50130-4: 1996 +A1: 1998 +A2: 2003, EN61000-4-2: 1995 +A1: 1998 +A2: 2001, EN61000-4-3: 2002 +A1: 2003 +A2: 2005, EN61000-4-4: 1995 +A1: 2001 +A2: 2001, EN61000-4-5: 1995 +A1: 2001, EN61000-4-6: 1996 +A1: 2001 +A2: 2001 +A3: 2005, EN61000-4-11: 1994 +A1: 2001, EN55022/ANSI C63.4: 2003, ETSI EN 300 220-1 V1.3.1: 2000-09, ETSI EN 301 489-1 V1.4.1: 2002-08, ETSI EN 301 489-3 V1.4.1: 2002-08 |
| Belgium | INCERT | B-509-0058 |

Installation/configuration notes

Compatibility Information

The wireless Local SecurityNetwork (wLSN) including the wLSN Siren (Indoor) is compatible with the Easy Series Control Panel.

Mounting Considerations



Notice

The wall tamper cannot be used in corner mount installations.

Mount the siren on interior walls or ceilings where it is protected from weather elements such as rain or snow.



Notice

Installation on metal surfaces can affect the RF propagation pattern of the radio transceiver.

The RF transceiver has a range of approximately 1000 m (3000 ft) in open air. However, in normal operation, the actual RF range depends on building construction.

Parts included

| Quant. | Component |
|--------|---------------------------|
| 1 | Siren |
| 4 | AA batteries (P/N: 16556) |
| 1 | Hardware pack |
| 1 | Literature pack |

Technical specifications

Environmental Considerations

| | |
|--------------------------|----------------------------------|
| Environment: | Indoor, dry |
| EN50131-1 | Environmental Class II |
| Relative Humidity: | Up to 95%, non-condensing |
| Temperature (operating): | -10°C to +55°C (+14°F to +131°F) |

Mechanical Properties

| | |
|-------------------------|--|
| Color: | Off-white |
| Dimensions (H x W x D): | 12.6 cm x 7.5 cm x 4.5 cm (5.0 in. x 3.0 in. x 1.8 in.) |

Outputs

| | |
|---------|-----------------------|
| Sound:: | 85 dBA at 3 m (10 ft) |
|---------|-----------------------|

Power Requirements

Battery Power

| | |
|---------------------------|---|
| Battery Life: | 2-2.5 years under normal operating conditions. |
| Battery Requirements: | Four AA Alkaline batteries |
| Recommended Replacements: | Duracell® MN1500 or PC1500, Eveready® E91, Panasonic® AM-3PIX/B |

External Power Supply (optional)

| | |
|-------------------|-----------------|
| Voltage (supply): | 6 VDC to 14 VDC |
|-------------------|-----------------|

Transmission and Reception Characteristics

| | |
|---------------------|--|
| Frequency: | European Security Band 868 MHz to 869 MHz |
| Range (open field): | 1000 m (3000 ft) |

Trademarks

Duracell® is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Eveready® is a registered trademark of Eveready Battery Company, Inc.

Panasonic® is a registered trademark of a Matsushita Electric Industrial Co., Ltd.

Ordering information

wLSN Siren (Indoor)

Wireless sounding device
Order number **ISW-BSR1-WX**

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