RE616X
Wireless Siren
Connect+™ Encrypted

Description
The wireless siren produces security system sounds.

Features
- Sounds are synchronized with the panel's on-board siren
- 85 dBA minimum at one meter
- LEDs display status and blink in synchronization with sounds
- Wall-powered with battery backup (included)
- Partition support
- Sensor repeater functionality

Compatibility
The siren is compatible with all Alula security panels.

Sounds
Sounds produced include chime, alarm, entry-delay, exit-delay, protest, status & trouble. See the configuration sections below for more details. If more than one partition requests sound, the siren will play the highest priority sound. For example, an alarm sound has priority over exit-delay beeps.

Enrollment
To enroll a siren, put the panel in enrollment mode and then either power-up or tamper the siren. Enrollment typically completes in a few seconds. If enrollment is unsuccessful, put the panel in enrollment mode, and then raise the siren's DIP-switch-1. Leave the switch in the ON position until enrollment completes, then lower it. If enrollment is still unsuccessful, try again with the siren closer to the panel.

Another enrollment approach is to manually type the siren ID into AlulaConnect.com under the **Peripherals** tab.

Refer to the below tables for LED behaviors.

Upon enrollment the panel will beep, and the siren LEDs will then behave according to the LED Behavior when Enrolled table below.

Test the siren in the desired location after enrollment and configuration.

LED Behavior when NOT Enrolled

Behavior	Meaning	Note
ORANGE and RED alternate blinks	Siren is not in enroll mode	
BLUE and GREEN alternate blinks	Siren is in enroll mode	This mode times out after ~5 minutes
ORANGE flickers	Siren received a panel packet	

LED Behavior when Enrolled

Behavior	Meaning	Note
BLUE on	System is okay	
BLUE flickers	Siren received a packet from the panel	In **Repeater Mode** the siren will also blink when receiving sensor packets
ORANGE/BLUE off (Left LED off)	AC failure in the system	
ORANGE on	Trouble condition in the system	
GREEN on	All enabled partitions are ready to arm	Connect+ has *only* one partition
GREEN blinks	At least one enabled partition is not ready to arm	Connect+ has *only* one partition
RED on	At least one enabled partition is armed	Connect+ has *only* one partition
RED blinks	The LED is following the siren's sounds	These are at maximum brightness regardless of the configured brightness

Connect+-Specific Configuration

- Raise *DIP-switch-2* to enable only alarm sounds.
- Lower *DIP-switch-2* to enable both alarm sounds and status sounds.
- The **Panel Settings** tab on AlulaConnect.com includes several siren configuration settings. These settings are global, meaning they apply to all the sirens on the Connect+.
- **Note** that auxiliary alarms sound at low volume, and all other alarms sound at maximum volume.

Configuration on a Next-Gen Panel

- Sirens on Next-Gen panels are configured *only* on AlulaConnect.com.
- Sirens are independently configurable.
- Review each siren's **Options** page on AlulaConnect.com.
- *DIP-switch-2* is used *only* on Connect+.

Repeater Mode

When configured to operate as a repeater, the siren will repeat sensor packets. The siren will repeat *only* Alula *Connect+ Encrypted* sensors. The sensors do not need to be enrolled into the siren.

Unenrollment and Reenrollment

To unenroll a siren, delete it on the **Peripherals** tab of AlulaConnect.com.

Note that after deletion the siren *may* continue to play panel sounds. This happens when the siren has retained the panel's ID. Regardless, the siren will overwrite the panel ID when enrolled into another panel.

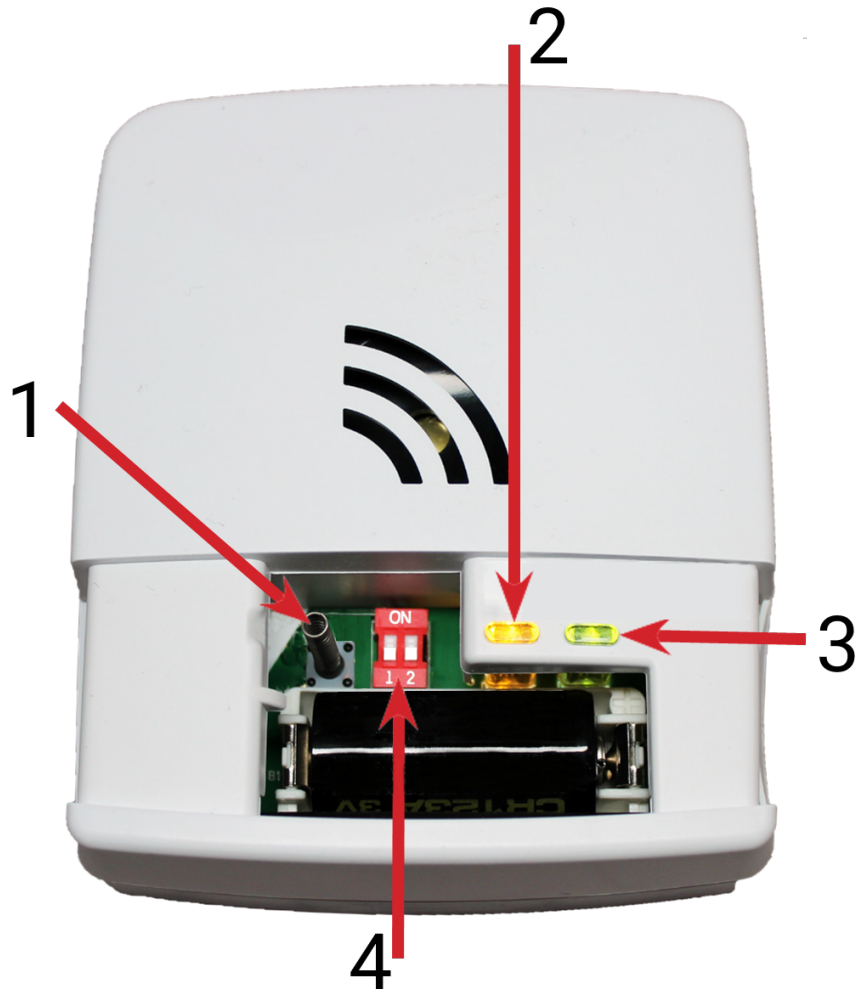To re-enroll a siren use the approach of raising *DIP-switch-1*.

Mounting

The siren plugs into a standard 120 VAC outlet. Optionally, secure the siren to outlet by threading the included screw through the tab at the top of the siren and into the outlet plate. **In Canada**, per regulations, the siren must not be secured to the outlet. Therefore, in Canada, break off and discard the mounting tab at the top of the siren.

Battery Replacement

To replace the batteries, pull the battery cover off the front of the siren to expose the battery compartment.

Siren Components

1: Tamper Switch   2: Orange/Blue LED   3: Green/Red LED   4: DIP Switch

Specifications

Physical	
Housing Dimensions	3.4 x 4 x 1.3 inches (8.6 x 10.2 x 3.3 cm)
Weight with Batteries	4.7 ounces (133 grams)
Mounting Hardware	Outlet plate screw (break off the mounting tab in Canada)
Environmental	
Operating Temperature	32°F to 120°F (0°C to 49°C)
Maximum Humidity	85% non-condensing relative humidity
Electrical	
Battery	One Panasonic CR123A
Battery Life	48 hours cumulative (because battery is non-rechargeable)
Battery Voltage	3.0 VDC (nominal)
Current Draw	~25 mA
Electrical Connection	US two-prong electrical outlet blades
Transmitted Indications	Low Battery, Tamper, AC Failure, Supervision Failure
Transmission Frequency	433 MHz
Audio	
High Volume Loudness	85 dBA minimum at one meter
Shortest ON duration	250 ms
Shortest OFF duration	250 ms
Certifications	
RE616X	FCC, IC

FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Alula could void the user's authority to operate this equipment.

FCC ID: U5X-RE116

IC NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

IC: 8310A-RE116

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