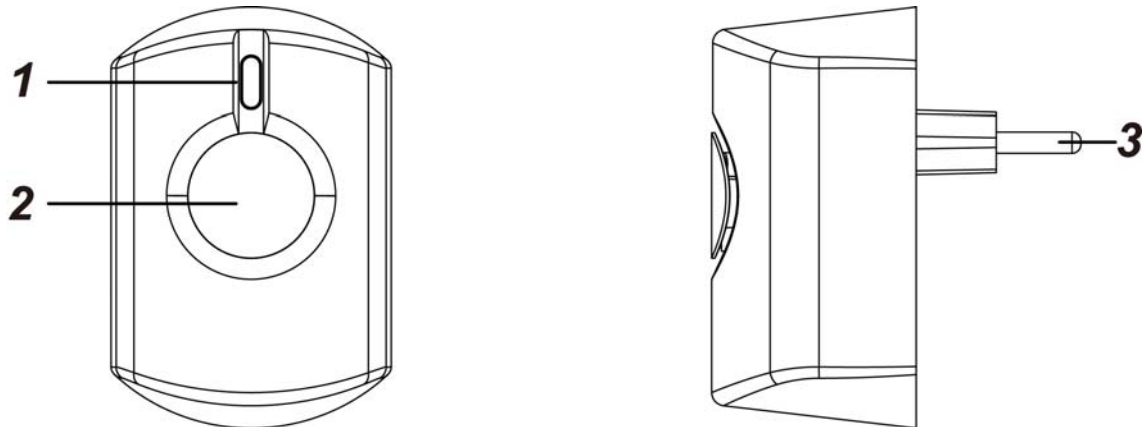


# Wireless AC Powered Indoor Siren (SRAC-23B-ZW)

The Indoor Siren is used to attract attention by sounding an alarm when alarm signal is received from the Z-wave Gateway or Control Panel.



## 1. LED Indicator / Learn Button

- Send Status signal: Press the button once.
- Send Learn Code: Press the button 3 times within 1.5 seconds.
- Factory Reset: Press and hold for ~10 seconds until LED starts to flash (twice).
- LED flashes twice: When the Siren is plugged into a power socket or when it has just been factory reset.
- LED flashes once: Learning is successful or when the Siren transmits an AC Fail/Restore signal.

## 2. Buzzer

- One long beep: Learning / Inclusion is successful.
- 2 short beeps: When the Siren is powered on or when the Siren is factory reset.

## 3. AC Connect

### Power Supply

The Siren is powered by AC power; plug the Siren into a power socket to activate the Siren. The Siren will emit 2 short beeps and enter normal operation mode.

There is a rechargeable battery inside the Siren that serves as a backup in case of a power failure. It takes approximately 72 hours to fully charge the battery.

During normal operation, AC power is used to power the Siren and at the same time recharge the battery.

### Low Battery Detection

The Siren will report its battery percentage to the Control Panel respectively at 100%, 75%, 50%, 25%. After AC power failure, the Siren will transmit a Low Battery signal (25%) to The Control Panel when low battery voltage is detected. To restore battery, re-plug AC power into the power socket. After 12 hours, the Siren will transmit a low battery restored notification to the Control Panel.

### AC Failure Detection

Whenever the Siren is removed from the power socket, the siren will transmit an AC Failure signal to the Z-wave Gateway or Control Panel to notify the situation. When the Siren is re-plugged onto the power socket, it will transmit an AC restoration code (the LED will also flash once).

### Adding Device (Inclusion)

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufactures and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

- Plug the Siren into a power socket.
- The LED indicator will flash twice.
- Put the Z-Wave gateway or control panel into **Inclusion** or **Learning** mode (please refer to the Z-Wave gateway or control panel manual).

- Within 1.5 seconds, press the Test Button 3 times.
- Refer to the operation manual of the Z-wave gateway or control panel to complete the learn-in process.
- If the Siren was included successfully, it will emit 1 long beep and the LED will flash once.
- If the device has already been **included** (learnt) into another Z-wave Gateway/Control Panel, or if the device is unable to be learnt into the current Z-wave Gateway/Control Panel, please exclude it first (see **Exclusion**) before attempting to **include** it into the current Z-wave Gateway/Control Panel.

## Removing Device (Exclusion)

The Siren must be removed from existing Z-Wave network before being included into another. There are two methods available to exclude a device.

### Exclusion Mode

- Put the Z-Wave gateway or control panel into **Exclusion mode** (please refer to the Z-wave gateway or control panel manual).
- Within 1.5 seconds, press the Test Button 3 times and the Siren will be removed from the Z-wave network.

### Factory Reset

*(Only use factory reset when network Control Panel/Gateway is missing or inoperable).*

- Press and hold the Test Button of the Siren for ~10 seconds until the LED starts to flash (twice) to factory reset. The siren will also emit 2 short beeps.

### <NOTE>

- ☞ Factory resetting the Siren will restore it to factory default settings (excluded from the Z-Wave network). The Z-Wave gateway or control panel will still keep its Z-Wave settings. Please refer to the gateway or control panel manual on how to remove the device's Z-Wave settings.

## Siren Sound Function

Sound	Event	Switch Value
Continuous siren	Burglar	FF
N/A	Stop Alarm	00

Table 3: Burglar siren sound with respect to the Switch Value codes the Indoor Siren receives.

## Z-Wave Information

**Device Type:** On/Off Power Switch

**Role Type:** Always On Slave (AOS)

### Command Class Support/Control

**Mandatory CC Support:**

- Association CC, v2 or newer
- Association Group Information CC
- Binary Switch CC
- Battery CC
- Device Reset Locally CC
- Manufacturer Specific CC
- Notification CC
- Powerlevel CC
- Version CC, v2 or newer
- ~~Wake-UP-CC~~
- Z-Wave Plus Info CC

**Recommended CC Support:** Firmware Update Metadata CC

## Z-Wave's Groups (Association Command Class Version 2)

The Door Contact can be set to send reports to associated Z-Wave devices. It supports one association groups with five nodes each.

Group 1 for "LifeLine":

Binary Switch CC (SWITCH\_BINARY\_REPORT)  
Notification CC,V4 (COMMAND\_CLASS\_NOTIFICATION)  
Battery CC (COMMAND\_CLASS\_BASIC)  
Device Reset Locally CC

**Federal Communication Commission Interference Statement:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:**

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.