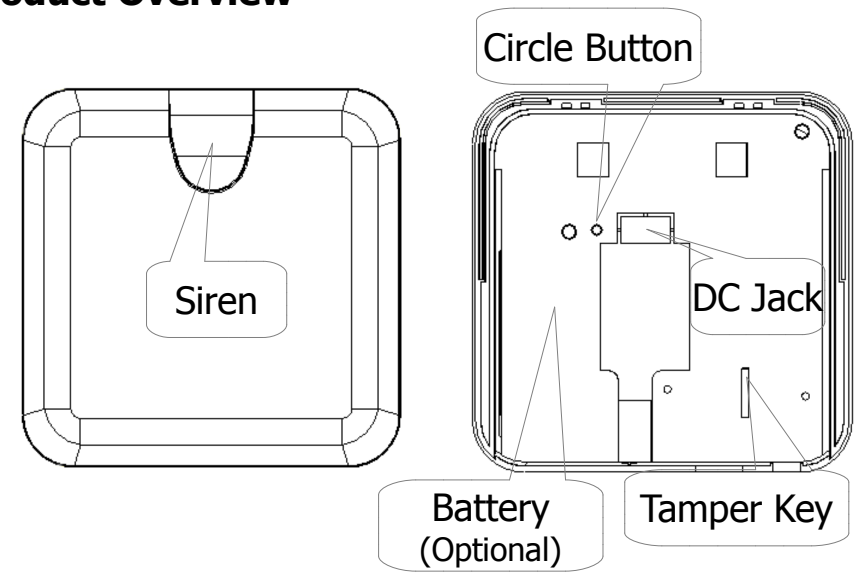
Multi Sound Siren PSE03

The multi sound siren PSE03 is a wireless Multi Sound siren, based on Zigbee technology. The technology uses a low-power RF radio embedded or retrofitted into home electronics devices and systems, such as lighting, home access control, entertainment systems and household appliances.

This device is used with Zigbee HA Security Zone devices in a home control network.

Product Overview



Add to/Reset to default from Zigbee Network

There are one tamper key and a circle button behind the device. Both of them can add, remove, reset or association from Zigbee network.

In the first time, add the device into the Zigbee network. First, make sure the Zigbee Network is in the permitting joining mode. And then power on the device. The device will try and join network for 120 seconds. You will see the LED light turned on once per second.

*** Joining network:**

1. Making the Zigbee network in the permitting joining mode.
2. Pressing tamper key three times within 1.5 seconds will enter inclusion mode.
3. After add successful, the LED will light NO 1second.

*** Reset to default:**

1. Pressing tamper key four times within 1.5 seconds and do not release the tamper key in the 4th pressed, and the LED will light ON.
2. After 3 seconds the LED will turn OFF, after that within 2 seconds, release the tamper key. If successful, the LED will light ON one second. Otherwise, the LED will flash once.
3. IDs are excluded and all settings will reset to factory default.

Notice 1: The function will no work if the siren is try and joining network. The try joining network mode will timeout after 120 seconds. You can press the tamper key (or the circle button) 3 times to abort the try joining network mode.

Zigbee Message Report

*** Tamper Report:**
When the tamper key is pressed over 5 seconds. The device will into the alarm state. In that state, if the tamper key be released, the device will unsolicited to send the "Zone Status Change Notification" to the CIE

Cluster ID : 0x0500
Zone State : 0x0004 (see Table1 bit2 = 1)

Siren State Report

When the siren trigger alarm sounds, the device will unsolicited to send the "Zone Status Change Notification" to the CIE .

Cluster ID : 0x0500
Zone State : 0x0001 (see Table1 bit0 = 1)

Power Up Procedure

*** Try joining network**
When the power on, the device will check is it already adding to the network? If doesn't, it will auto start the joining network mode. Until timeout or the device joined network.

Play Sound

Using the "IAS WD Cluster" to play the siren.

Command id : 0x00 (Start warning)
Command direction : 0x00 (Client to server)
Warning duration : 0x01 ~ 0xFFFE (seconds)

Warning mode	Sound
0x00	Dosarm
0x01	Emergency
0x02	Fire
0x03	Police Car Sound
0x04	Ambulance Sound
0x05	Door Chime
0x06	Reserved for User defined

Over The Air (OTA) Firmware Update

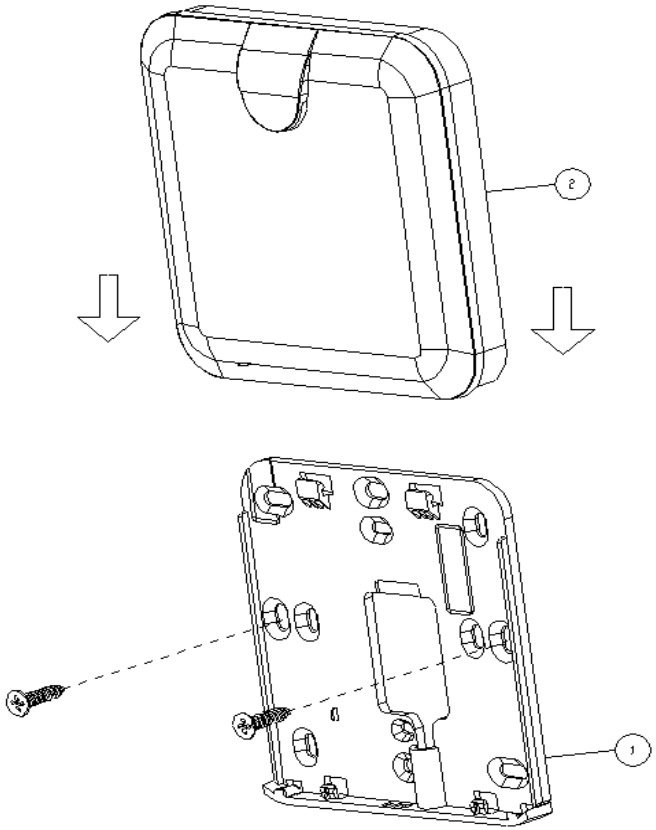
The device support the Zigbee firmware update via OTA.
Before starting the procedure, please remove the front cover of the device. Otherwise the hardware check will be failed.
The Device will find the OTA server in the network. The OTA server will provide the necessary information to device. The device will decide if the OTA is necessary.

Manual Battery Shutdown

When the DC power is dropped. The system will auto switch to use the battery power. If you want to really shutdown the system, please follow instructions as below.

1. Press and hold the circle button.
2. Click the tamper 3 times in 1.5 seconds.
3. Release the circle button.
4. If shutdown successful, the LED will flash 3 times.

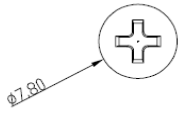
After the battery shutdown, the system won't work anymore, unless the DC power recovery.

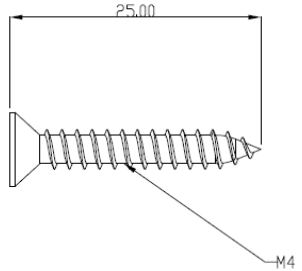


Installation

1. Put the power cord into the DC jack on bracket, then screw the bracket on the wall. The screw size is shown in the figure below.

2. Plug in the power cord and mount PSE03 to the bracket as shown in the figure.





Specifications

Power by DC 5V, and support backup lithium battery (Optional).

Signal (Frequency):
2400MHz~2483MHz(EU)(US/Canada)(TW/JP)

Frequency Modulation:

DSSS (Direct Sequence Spread Spectrum)

Range:

Minimum 40 meters indoor, 100 meters outdoor line of sight.

Operating Temperature: -10°C ~ 40°C For indoor use only.

RF Maximum Power: +8 dBm

Specifications subject to change without notice due to continuing product improvement.

FCC ID: XXXXXXXX

Disposal

	This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Company of License Holder : Philio Technology Corporation

Address of License Holder : 8F.,No.653-2,Zhongzheng Rd., Xinzhuang Dist., New Taipei City 24257,Taiwan(R.O.C)

Warning

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

Warning

Caution, avoid listening at high volume levels for long periods

FCC 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.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.