SZ-E(B)SW02(N) Power On/Off Switch Installation Guide

SZ-E(B)SW02(N) is an electrical power measuring device, which is compatible with ZigBee enabled devices with its embedded radio frequency (RF) technology. It can also be used with other devices with the ZigBee logo regardless of the manufacturer.

Furthermore, SZ-E(B)SW02(N) can work as a signal repeater that will extend the wireless transmission range and increase the reliability of your network. With a ZigBee compatible gateway and software program, you'll be able to monitor and inform the energy usage of the connected appliance.

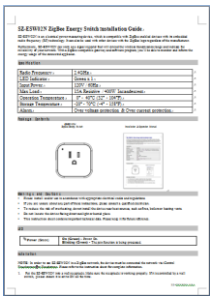
Specification

Radio Frequency	2.4GHz
LED Indicator	Green x 1
Input Power	120V / 60Hz
Max Load	15A Resistive / 400W Incandescent
Operation Temperature	0° - 40°C (32° - 104°F)
Storage Temperature	-20° - 70°C (-4° - 158°F)
Alarm	Over voltage protection & Over current protection

Package Contents

SZ-E(B)SW02(N)
ZigBee Energy Switch

Installation & Operation Manual



Warnings and Cautions

- Please install and/or use in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, please consult a qualified electrician.
- To reduce the risk of overheating, do not install the device near heat sources, such as fires, boilers or heating vents.
- Do not locate the device facing direct sunlight or humid place.
- This instruction sheet contains important technical data. Please keep it for future reference.

LED

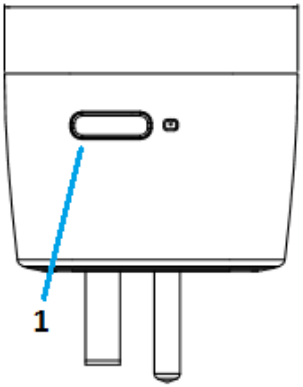
Power (Green)	**On (Green)** - Power On. **Blinking (Green)** - The join function is being processed.

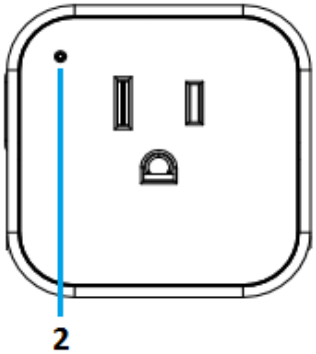
Installation

NOTE: In order to use SZ-E(B)SW02(N) in a ZigBee network, the device must be connected to the network via ZigBee coordinator. Please refer to the instruction sheet for complete information.

1. Put the SZ-E(B)SW02(N) into a wall receptacle. Make sure the receptacle is working properly. If it is controlled by a wall switch, please ensure it is set to ON all the time.
2. Attach the appliance to the SZ-E(B)SW02(N).

Operation





1. On/Off and Pairing Button	2. On/Off , Pairing and alarm LED (Green)

MANUAL Operation:

- **ON/OFF:** Press this button of the device to turn the appliance on/off.

NOTE: The appliance will be turned Off regardless of its previous setting.

Join / Leave Function

Auto Joining State: A sensor that does not have a network shall search for a network that is open for joining.

1. Illuminate the LED indicator for 2 seconds to indicate a successful boot.
2. The sensor should resume scanning the next time a user-trigger occurs. This allows user interaction to cause the sensor to resume scanning.

Joined State: A sensor that has joined shall resume the network.

1. Illuminate the LED indicator for 2 seconds to indicate a successful boot.
2. Resume operation with the existing network.

Manual Defaulting: Default a sensor puts it into a state where it is ready to be joined to a coordinator.

The process for manually default a sensor shall be as follows:

1. With the sensor powered down, press the button and hold it.
2. Power it up again. The sensor should illuminate the LED once all boot up/initialization tasks are complete.
3. Release the button while the LED has been illuminated (in 4 seconds).
4. The sensor shall then wipe any knowledge of the previous network and other configuration parameters and begin searching for a new network(Auto Joining State).

Troubleshooting

If the device appears to be functioning improperly, please follow the suggested steps:

1. Confirm that the device is being supplied from a 120V power source.
2. Confirm that the device is being controlled in a proper way (local switch is ON).
3. Ensure that the appliance does not exceed 15A current.

FCC 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 or more 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 FCC radiation exposure limits set forth for an uncontrolled environment.

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.

Caution!

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

Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage;
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.