



## SA-102

### In-Wall Switch

#### Quick Installation Guide

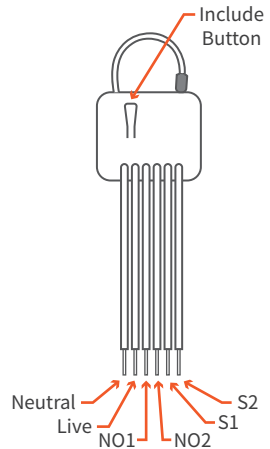
## 01 Introduction

In Wall Switch built-in power meter can let you monitor the power consumption of your electric appliances. It is also a well-designed and remotely intelligent device. You can easily know the states of your home appliances like lamps or fans. And no need to worry about if they are not turned off. You can switch the lamp off or turn the oven off when you are in office or even go on a vacation.

The smart switch can work as a repeater in Z-Wave network. It can extend the Z-Wave network range. And no need to do any configuration, just plug it in the socket.

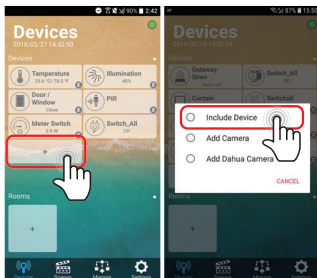
## 02 Include in-wall switch -1

Power the device by connecting the power circuit on. Device will automatically be in inclusion mode. If device is not in inclusion mode, press include/exclude button three times.



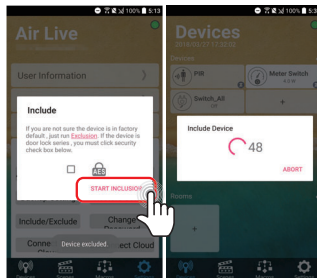
## 03 Include in-wall switch -2

- Go to Devices page and click "+" icon.
- Press Include Device



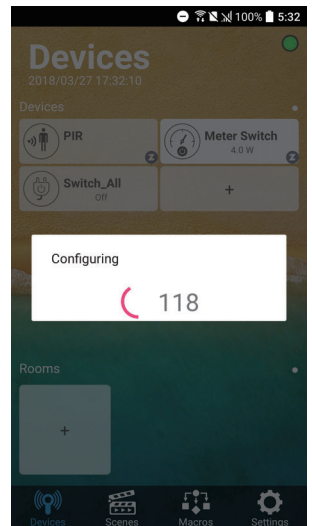
## 04 Include in-wall switch -3

- Press "START INCLUSION"
- Start to include a device.



## 05 Include in-wall switch -4

When the device is being included, APP will configure the setting into gateway.



## 06 Choosing a Suitable Location

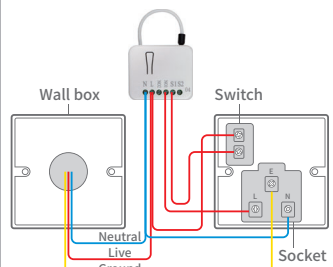
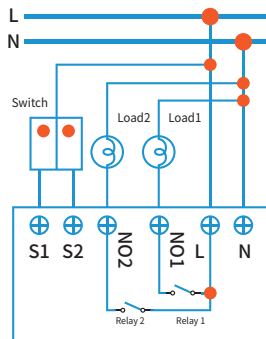
1. Do not locate the Switch facing direct sunlight, humid or dusty place.
2. The suitable ambient temperature for the Switch is 0°C~40°C.
3. Do not locate the Switch where exists combustible substances or any source of heat, e.g. fires, radiators, boiler etc.
4. After putting it into use, the body of Switch will become a little bit hot of which phenomenon is normal.

## 07 Installation in-wall switch -1

1. Put the in wall switch into a wall box and connect the AC power wire L, N to in wall switch connector L, N.
2. Connect the wall switch to the SA-102 as picture.
3. To manually turn ON the Switch, press and release the On/Off button. The LED will light ON for 1 second, and the load plugged into the Switch will also turn ON.
4. To manually turn OFF the Switch, simply press and release the On/Off button. The LED will light ON for 1 second and the load plugged into the Switch will turn OFF.

## 08 Installation in-wall switch-2

In Wall Switch (2 REALY; 1A TYPE)



## 09 LED Indication

1. Normal: Whatever we switch On and off of the SA-102 by S1 S2 or On/Off button or RF command, the LED will lights up 1 second and then off.
2. No node ID: Under normal operation, when the Switch has not been allocated a node ID, the LED flashes on and off alternately at 2-second intervals. By pressing S1 S2 or On/Off button, it will stop flashing temporarily.
3. Learning: When SA-102 is in learning mode, LED flashes on and off alternately and repeatedly at 0.5 second intervals.
4. Overload: When overload state occurs, the Switch is disabled of which LED flashes on and off alternately at 0.2 second intervals. Overload state can be cleared by disconnect and reconnect the Switch to the main power.

## 10 LED Indication

SA-102 not only can be included and operated in AirLive Z-Wave Gateway SG-101 but also any Z-Wave™ certified controller and/or other applications. This in-wall switch module is able to detect Instant power wattage and overload current (7.5A with resistive load) of connected light or appliances. When detecting overload state, the Module will be disabled and its On/Off button will be lockout of which LED will flash quickly. However, disconnect and re-connect the Module will reset its overload condition to normal status.

### 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.

### 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 ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

### RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/eo/ea/fccid](http://www.fcc.gov/eo/ea/fccid) after searching on FCC ID: ODM5G101