Air Live
Smart Life
IOT For Home

SA-102
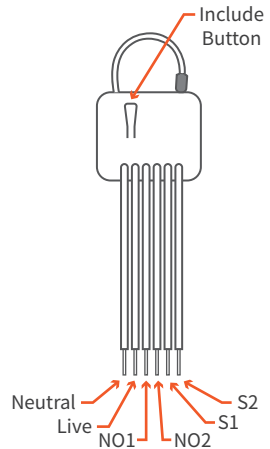In-Wall Switch

Quick Installation Guide

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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.
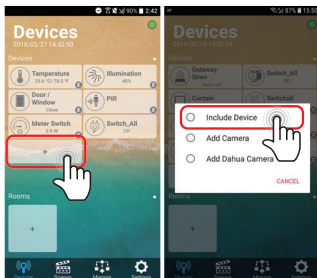
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02 Include in-wall switch -1

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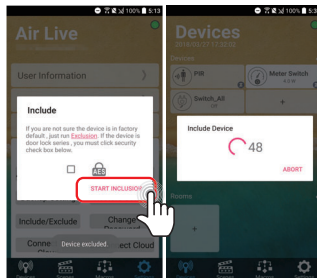If device is not in inclusion mode, press include/exclude button three times.

Include Button

Neutral
Live
NO1
NO2
S2
S1

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03 Include in-wall switch -2

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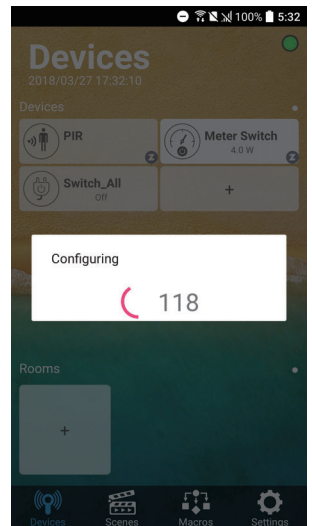• Press Include Device

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04 Include in-wall switch -3

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

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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)

Wall box — Switch — Neutral — Live — Ground — Socket
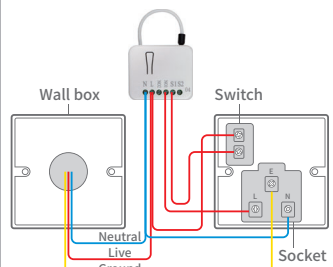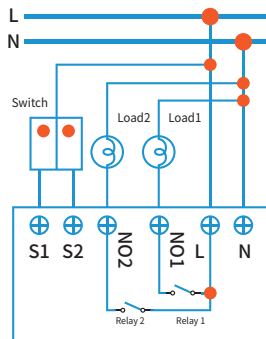
09 LED Indication

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-WaveTM 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.