



SONOFF TH R3/Elite Smart Temperature and Humidity Monitoring Switch User Manual

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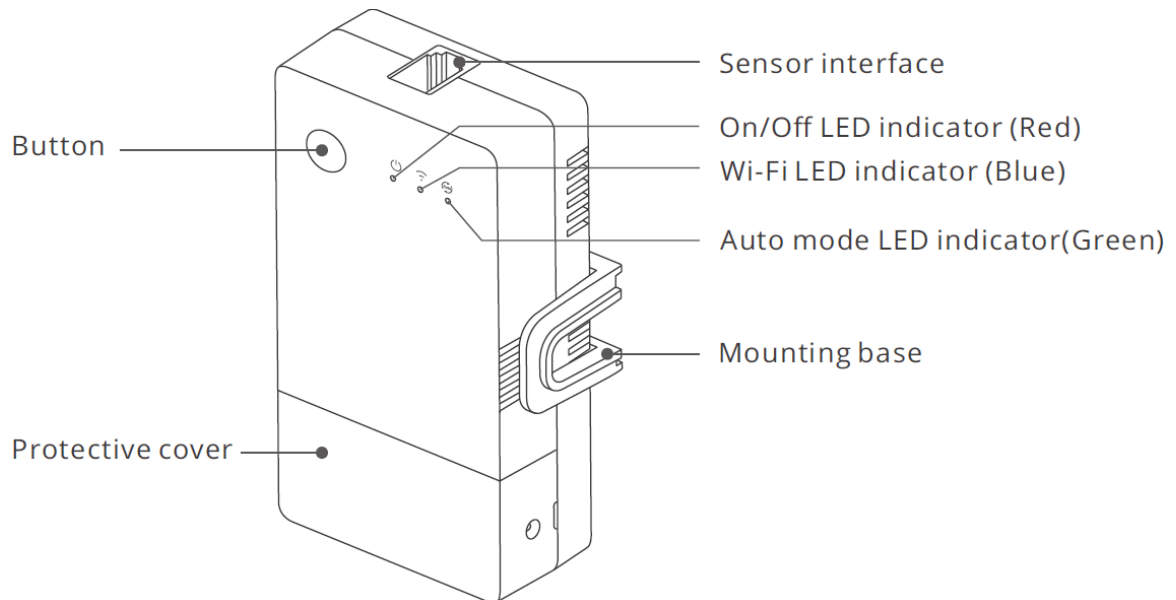


SONOFF TH R3/Elite Smart Temperature and Humidity Monitoring Switch

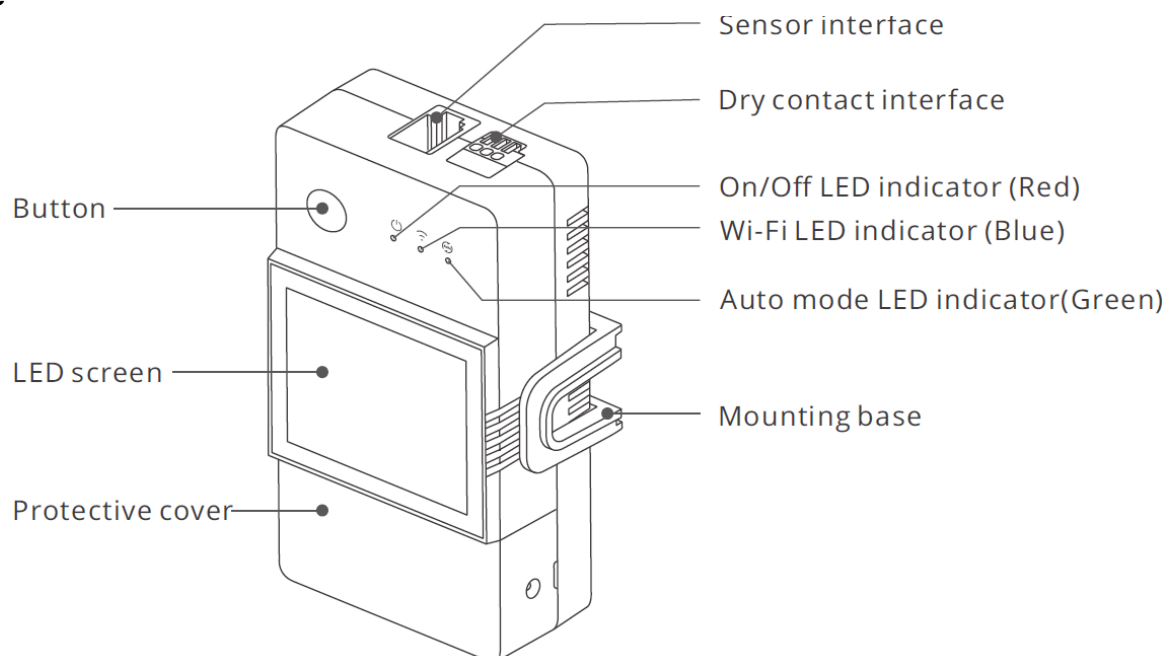


Product Introduction

TH R3



TH Elite



- The device's weight is less than 1kg.

An installation height of less than 2m is recommended.

Buttons instructions

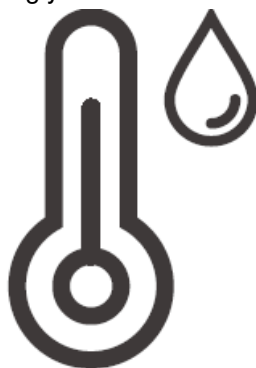
Actions	Results
Single-click	Device on/off
Double-click	Auto-mode enable/disable
Long press for 5s	Enter the Pairing mode

LED indicator status instruction

LED indicator status	Status instruction
Blue LED indicator flashes(one long and two short)	Pairing mode
Blue LED indicator keeps on	Device is online
Blue LED indicator quick flashes once	Fail to connect to router
Blue LED indicator quick flashes twice	Connected to router but fail to connect to server
Blue LED indicator quick flashes three times	Firmware updating
Green LED indicator keeps on	Auto-mode is on

Features

TH R3/Elite is a DIY smart switch with temperature and humidity monitoring, and required to use with the temperature and humidity sensors correspondingly.



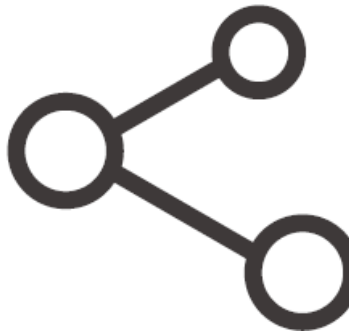
- Temp & Humi Monitoring



- Temp & Humi History Data Graph



- Automatic Mode



- Share Control



- Inching Mode



- Voice Control



- Timer Schedule



- LAN Control



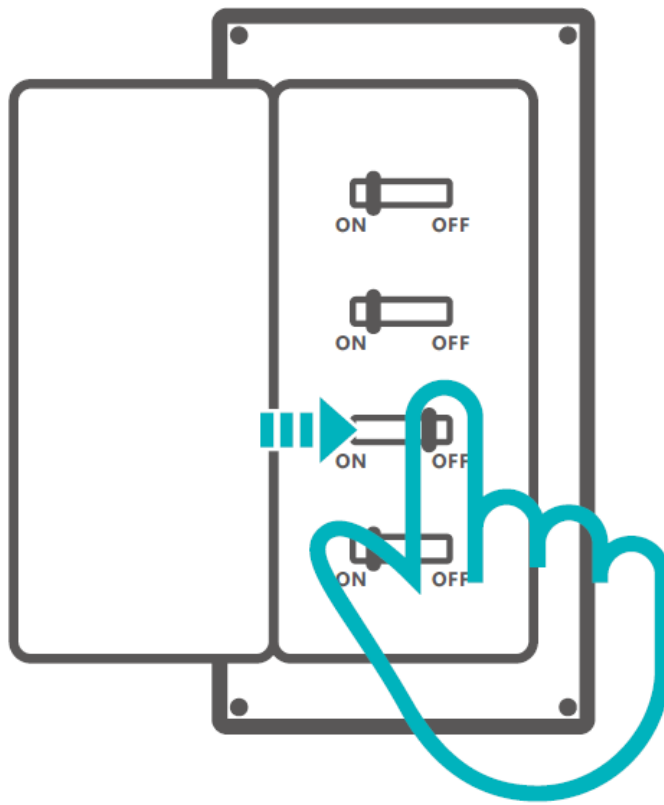
- Wet & Dry Contact (TH Elite)



- Screen Display (TH Elite)

Device Installation

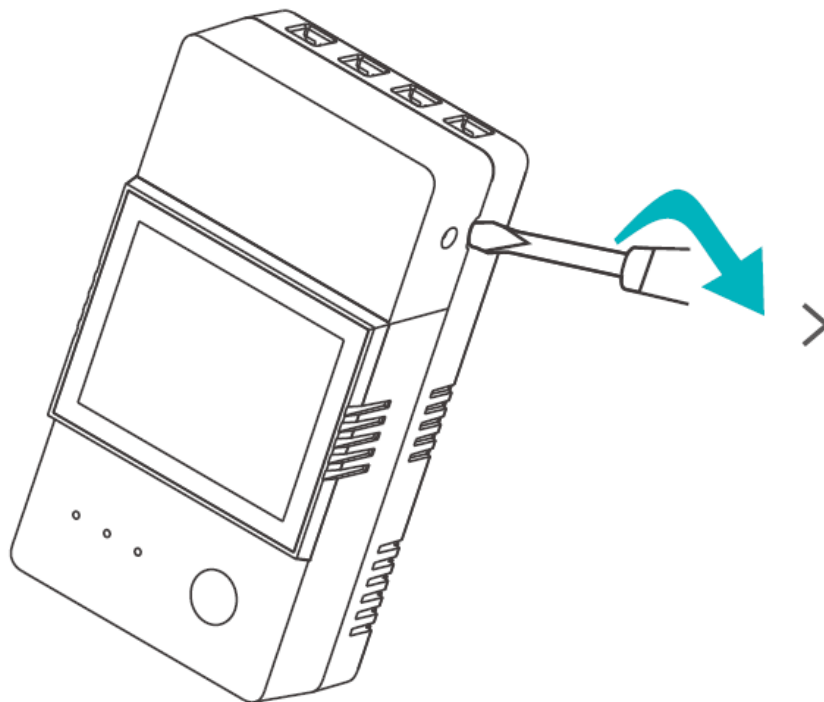
1. Power off

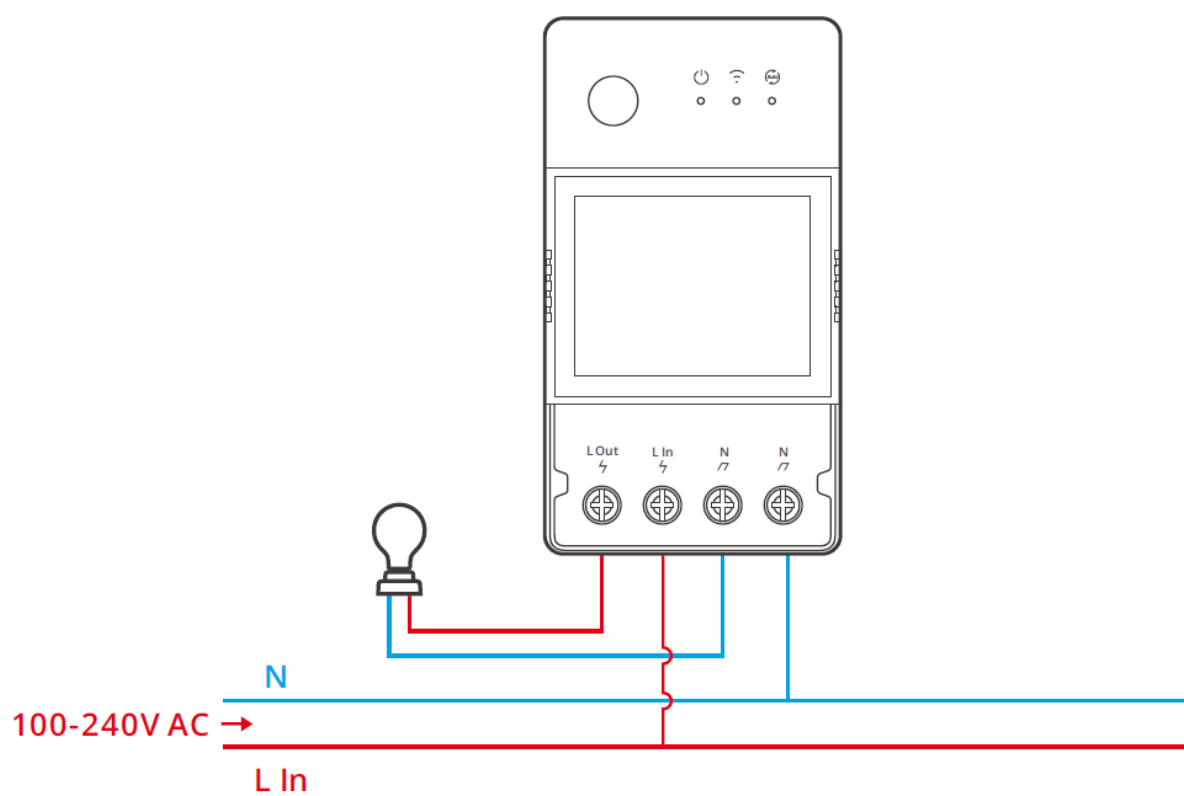
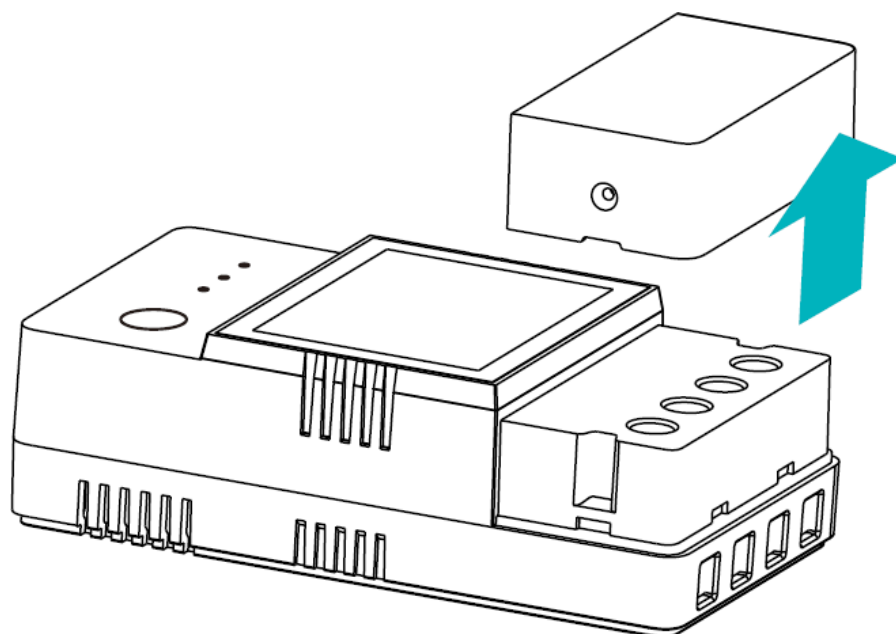


Please install and maintain the device by a professional electrician. To avoid electric shock hazard, do not operate any connection or contact the terminal connector while the device is powered on!

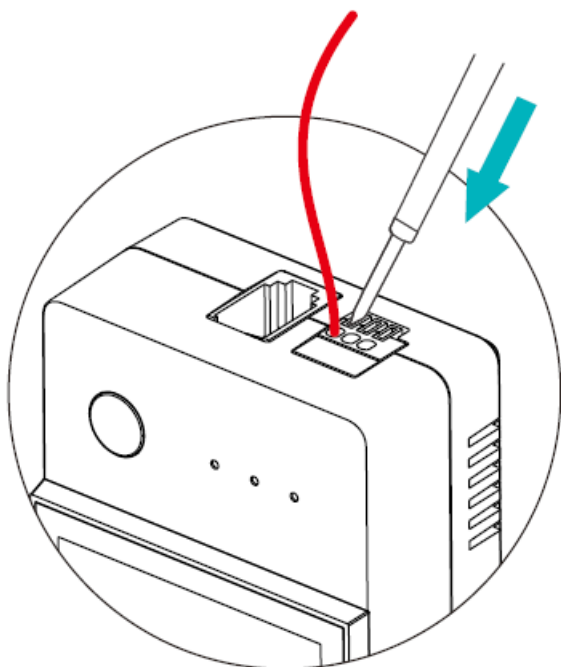
Wiring instruction

Remove protective cover





Wiring method of dry contact



9-10mm

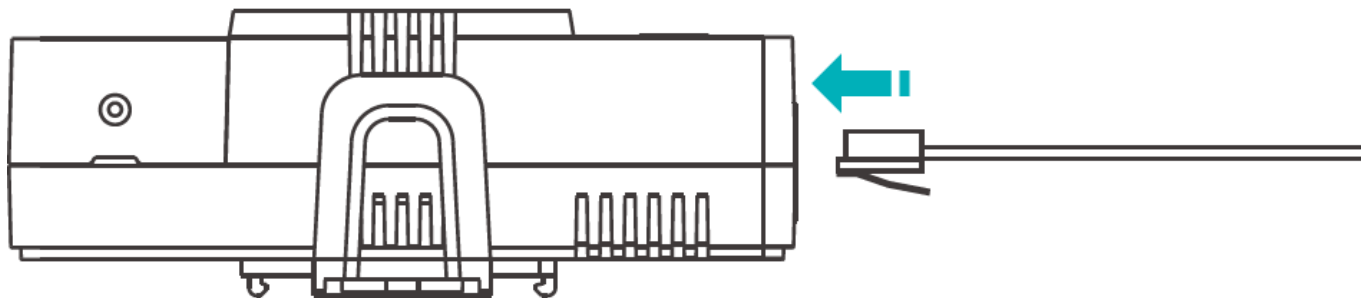


TH Elite

Press the white button on the top of the wire connecting hole to insert the wire corresponding, then release.

- Dry contact wire conductor size: 0.13-0.5mm², wire stripping length: 9-10mm.
- Make sure all wires are connected correctly.

Insert the sensor

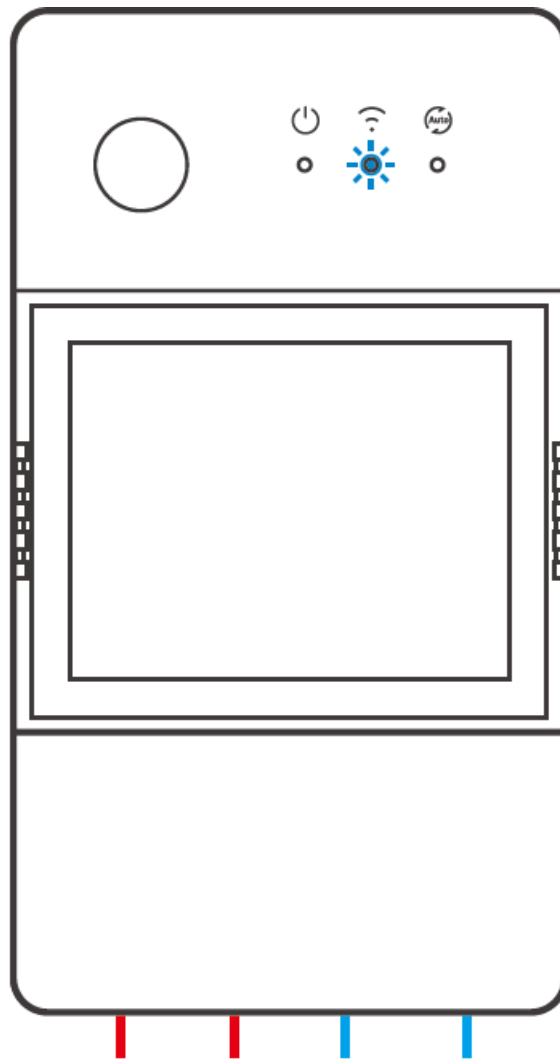


Compatible SONOFF sensors: DS18B20, MS01, THS01, AM2301, Si7021. Compatible sensor extension cables: RL560.

- Some old version sensors need to be used with the accompanying adapter.

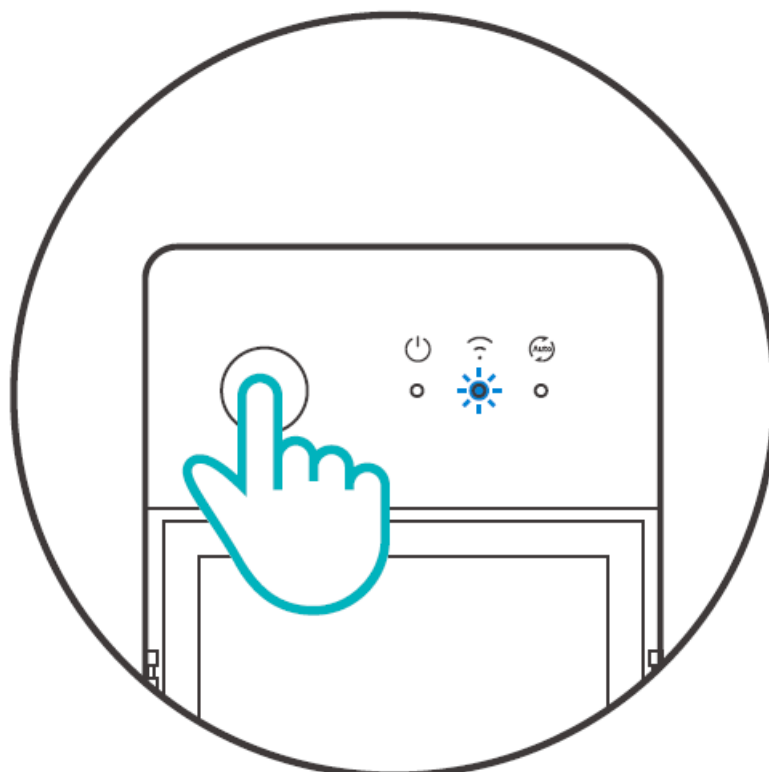
Device pairing

1. Download the eWeLink App
2. Power on



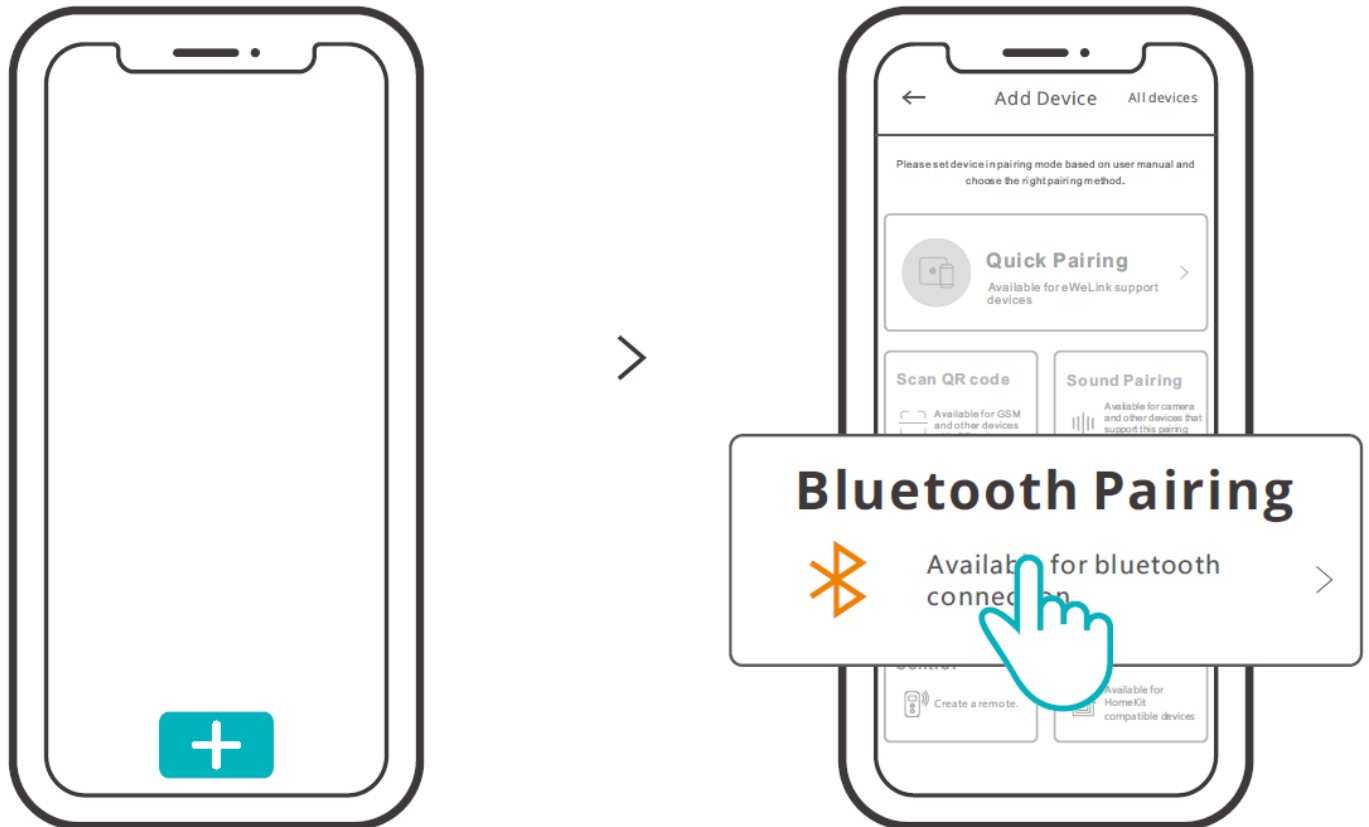
After powering on, the device will enter the Bluetooth Pairing Mode during the first use. The Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.

- The device will exit the Bluetooth Pairing Mode if not paired within 3mins. If you want to enter this mode, please long press button for about 5s until the Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.



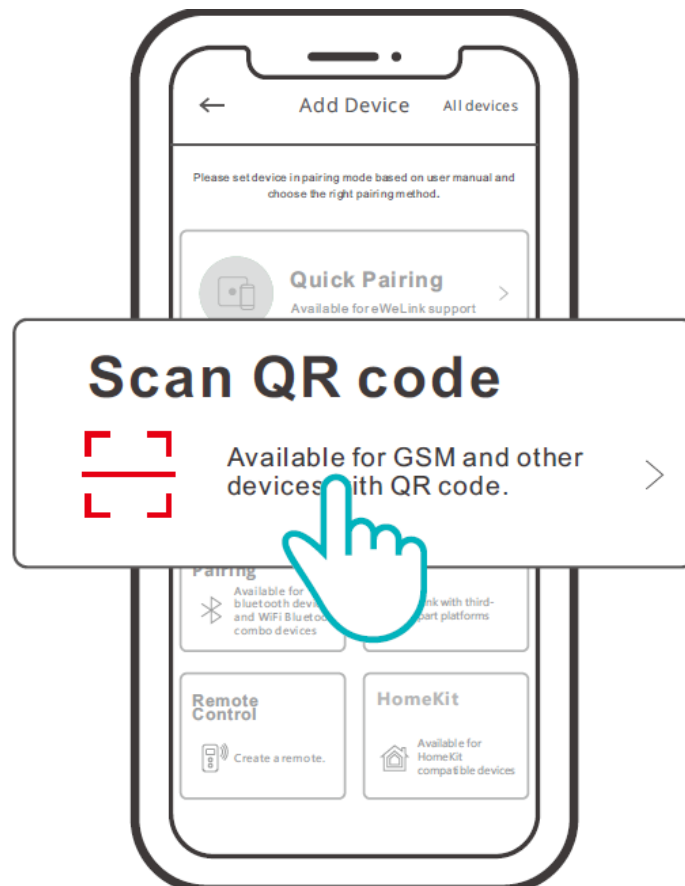
3. Add device

Method 1: Bluetooth Pairing



Tap “+” and select “Bluetooth Pairing”, then operate following the prompt on the App.

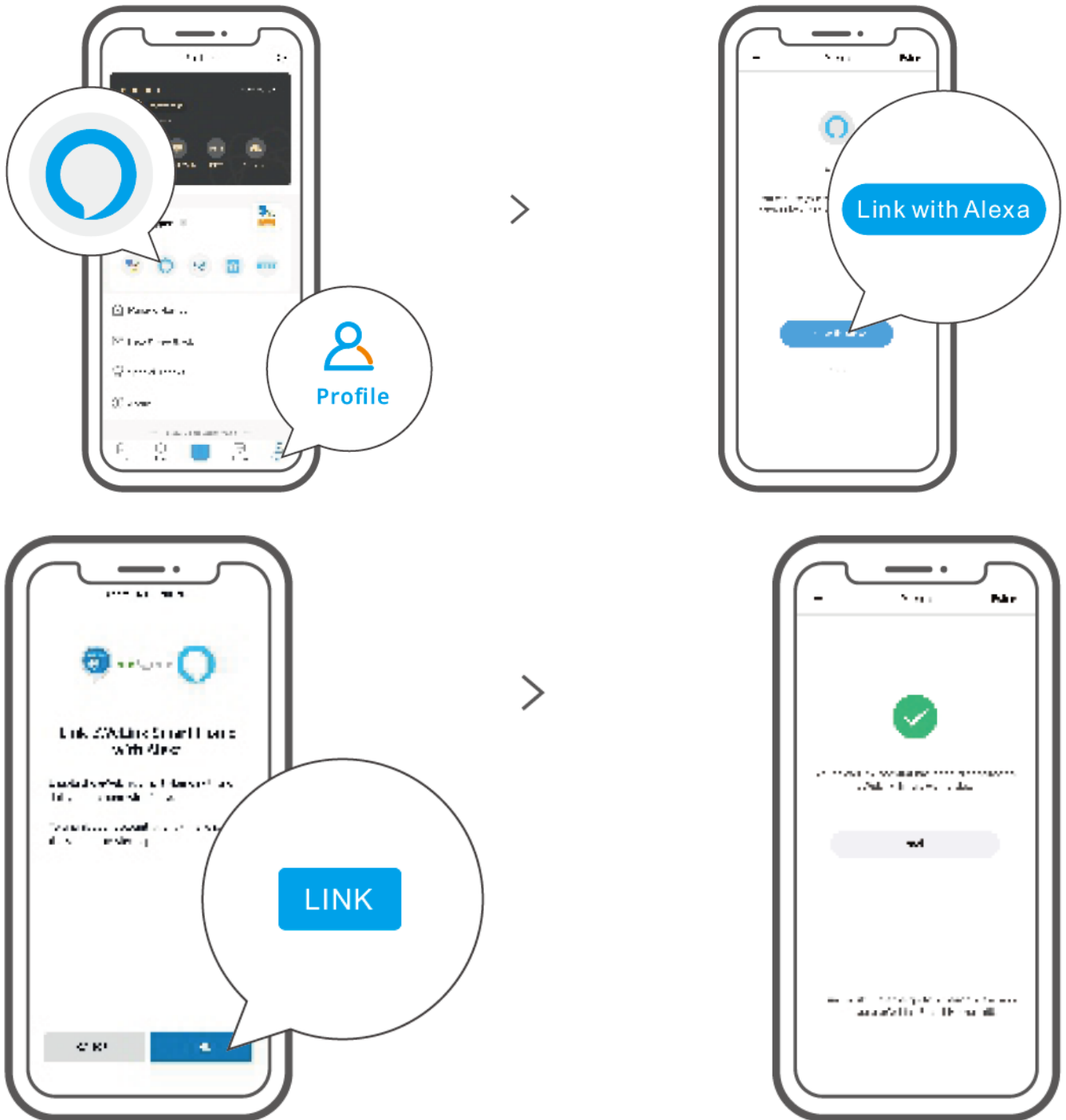
Method 2: Scan QR code



In the Pairing mode, tap “Scan QR code” to add the device by scanning the QR code on its back.

Alexa voice control instructions

1. Download the Amazon Alexa App and sign up an account.
2. Add Amazon Echo Speaker on the Alexa App.
3. Account Linking (Link Alexa account on the eWeLink App)



4. After linking the accounts, you can discover devices to connect on the Alexa App 4. After linking the accounts, you can discover devices to connect on the Alexa App according to the prompt.

- Account linking method of Google Assistant, Xiaodu, Tmall Genie, Mate Xiaoai and etc is similar., the guides on the App shall prevail.

Specifications

Model	THR316, THR320, THR316D, THR320D
Input	THR316, THR316D: 100-240V ~ 50/60Hz 16A Max THR320, THR320D: 100-240V ~ 50/60Hz 20A Max
Output	THR316, THR316D: 100-240V ~ 50/60Hz 16A Max THR320, THR320D: 100-240V ~ 50/60Hz 20A Max
Dry contact output	5-30V 1A Max
Wi-Fi	IEEE 802.11 b/g/n 2.4GHz
LED screen size	THR316D, THR320D 43x33mm
App supported systems	Android & iOS
Working temperature	-10°C~40°C
Working humidity	5%-95% RH, non-condensing
Shell material	PC V0
Dimension	THR316, THR320 98x54x27.5mm THR316D, THR320D 98x54x31mm

LAN control

A communication method to control the devices directly without going through the Cloud, which requires your smartphone and device connect to the same WIFI.

- Operation notifications, operation records, firmware upgrades, smart scenes, devices sharing and devices delete are not supported when there is no external network connection.

Control modes

Manual mode: Turn on/off the device through the App and device itself whenever you want.

Auto mode: Turn on/off the device automatically through presetting the threshold of temperature and humidity.

Auto mode setting: Set the threshold of temperature & humidity and effective time period, you can set up 8 automatic control programs in different time periods

Auto mode enable/disable

Enable/disable the auto mode by double click the button on the device or enable/disable it on the App directly.

- Manual control and Auto mode can work at the same time. In the auto mode, you can turn on/off the device manually. After a while, auto mode will resume execution if it detects changes in temperature and humidity.

Factory Reset

Deleting the device on the eWeLink app indicates you restore it to factory setting.

Common Problems

Fail to pair Wi-Fi devices to eWeLink APP

1. Make sure the device is in pairing mode. After three minutes of unsuccessful pairing, the device will automatically exit pairing mode.
2. Please turn on location services and allow location permission. Before choosing the Wi-Fi network, location services should be turned on and location permission should be allowed. Location information permission is

used to obtain Wi-Fi list information. If you click Disable, you will not be able to add devices.

3. Make sure your Wi-Fi network runs on the 2.4GHz band.
4. Make sure you entered a correct Wi-Fi SSID and password, no special characters contained. Wrong password is a very common reason for pairing failure.
5. The device shall get close to the router for a good transmission signal condition while pairing.

Wi-Fi devices “Offline” issue, Please check the following problems by the Wi-Fi LED indicator status:
The LED indicator blinks once every 2s means you fail to connect to the router.

1. Maybe you entered the wrong Wi-Fi SSID and password.
2. Make sure that your Wi-Fi SSID and password don't contain special characters, for example, the Hebrew, Arabic characters, our system can't recognize these characters and then fail to connect to the Wi-Fi.
3. Maybe your router has a lower carrying capacity.
4. Maybe the Wi-Fi strength is weak. Your router is too far away from your device, or there may be some obstacle between the router and device which blocks the signal transmission.
5. Be sure that the MAC of the device is not on the blacklist of your MAC management.


The LED indicator flashes twice on repeated means you fail to connect to the server.

1. Make sure the Internet connection is working. You can use your phone or PC to connect to the Internet, and if it fails to access, please check the availability of the Internet connection.
2. Maybe your router has a low carrying capacity. The number of devices connected to the router exceeds its maximum value. Please confirm the maximum number of devices that your router can carry. If it exceeds, please delete some devices or get a larger router and try again.
3. Please contact your ISP and confirm our server address is not shielded:




- cn-disp.coolkit.cc (China Mainland)
- as-disp.coolkit.cc (in Asia except China)
- eu-disp.coolkit.cc (in EU)
- us-disp.coolkit.cc (in US)

If none of the above methods solved this problem, please submit your request via help & feedback on the eWeLink App.

Documents / Resources

	<p>SONOFF TH R3/Elite Smart Temperature and Humidity Monitoring Switch [pdf] User Manual</p> <p>TH R3 Elite Smart Temperature and Humidity Monitoring Switch, TH R3, TH Elite, Smart Temperature and Humidity Monitoring Switch, Humidity Monitoring Switch, Smart Temperature Monitoring Switch, Temperature Monitoring Switch, Temperature and Humidity Monitoring Switch, Monitoring Switch</p>
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References

-  [Welcome to OpenResty!](#)
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