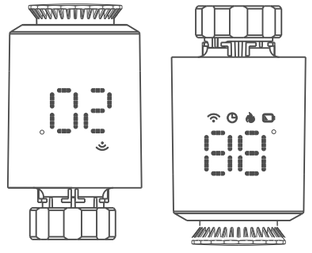
400.00 mm

190.00 mm

# ME167 Wireless Smart Radiator Thermostat



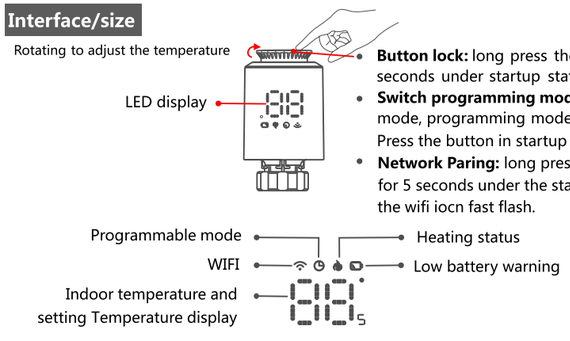
## Overview

ME167 Zigbee smart radiator thermostat is base on low power consumption tuya zigbee 3.0 module. It have been designed to replace traditional manual valve controller on radiator.Tuya cloud technology enable it with app control ,voice control, 6 time period/day weekly programing, child lock ,family share etc intelligent function.Attached with the TRV,we have offer valve installation accessaries which make it compatible with over 90% of the radiator valve on market.

## Electrical Specifications

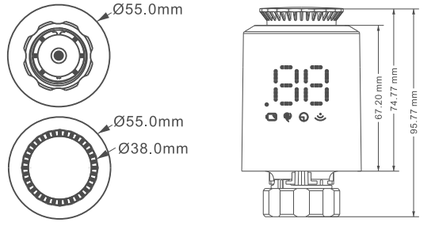
1. Power supply:Two AA 1.5V alkaline batteries (LR6) 2. Temperature sensor : NTC
3. Temperature accuracy : ±1℃ 4. Display range : 0~60℃ 5. Temperature setting : 5~35℃
6. Applicable temperature:0~50℃ 7.ZigBee standard: IEEE 802.15.4
8.Communication frequency: 2.405-2.408GHz
9.Electrical safety enforcement standards: GB14536.1-2008 GB14536.10-2008

## Interface/size




- **Button lock:** long press the knob for 5 seconds under startup state
- **Switch programming mode** (manual mode, programming mode) Press the button in startup state
- **Network Paring:** long press the knob for 5 seconds under the state OF,till the wifi iocn fast flash.






## Operating instruction

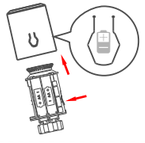
| | |
|---|---|
| Switch on and off | Please turn the knob until the screen displays "OF" when you turn off the machine.You only need to turn the knob to adjust the required temperature when you start the machine. |
| Windowing function | When the window is opened, causing the room temperature drop more than 6°C within 4 minutes, the main screen displays "OP"and closes the valve. If the room temperature rises 3°C, this status can be released,and it can be released automatically after 48 minutes or manually. |
| Anti-scale function | If the heat sink is not fully opened within two weeks or used for a long time, the valve will be blocked due to silting-up, and the heat sink will not be able to be used. To ensure the normal use of the heat sink, the controller will automatically open the valve fully every two weeks. It will running 30 seconds per time, and the screen displays "Ad", the returns to normal working state again. |
| Child lock function | In order to prevent the settings of the controller from being mistakenly modified by children, long press the knob to activate the child lock function in the power-on state, and the screen displays "LC". If you need to unlock it, please repeat the activation operation. |
| Temporary mode | When TRV in auto mode, if you want to manually change the temperature, turn the button to adjust the current temperature you want to set, this temperature will last till next programmed time period start. |
| Anti-freezing | Under OFF state (dispaly "OF" ),the mobile APP shows that the anti-freezing function is on. when room temperature lower than 5 degrees Celsius, the valve open, when temperature rises to 8 degrees Celsius, the valve close. |
| Low voltage warning function | when the battery voltage is too low, the alarm symbol "⊟" will be displayed to remind the user to replace the battery. |



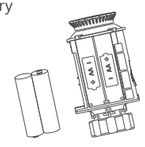
## Controller Installation

### Electricity way

❶ Press the button to remove the protective cover

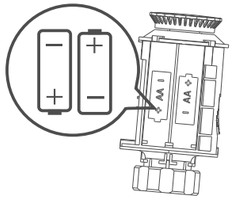


❷ Install 2*AA battery and protection cover



AA battery*2

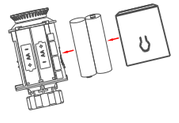
**Attention**



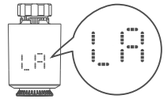
* Please install the battery according to +-pole of the icon in the battery compartment.

### Installation steps

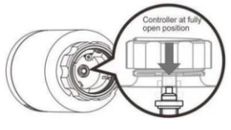
❶ Put the battery in the battery compartment and cover it with a protective cover.



❷ Screen display [LA]



❸ Set the temperature to a maximum temperature of 35°C. When the push rod is drawn flush with the bottom.




❹ Rotate and tighten the controller copper ring and the automatic thermostatic valve installation thread interface of the heat sink.

If your valve interface does not match the controller, install the accessory first.

400.00 mm

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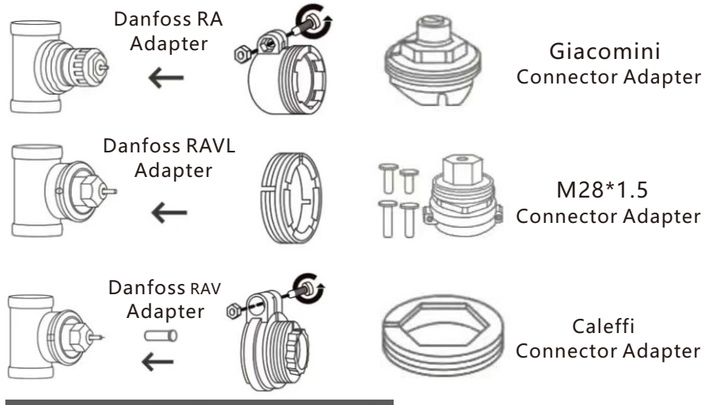
## Parts selection and installation

1、Check the valve size on your valve body.

2、Accessories installation




## 1) Gateway distribution network:

Green light one and red light fast flashing, and it has entered the state of network distribution.
(refer to operating instructions of the gateway for the network configuration status of the gateway)

## 2) TRV network paring:

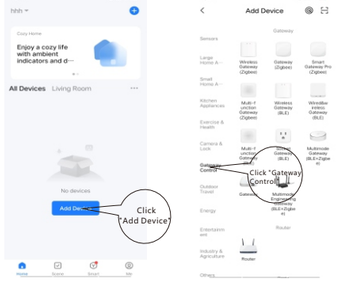
Rotate the knob to adjust the temperature to the "OF" state, press and hold the knob for 5 seconds to enter the network configuration mode, WIFI "" iocn start fast flashing, Then connect it with zigbee gateway as the following instruction in **3 )**

## 3) APP Connection Instruction:

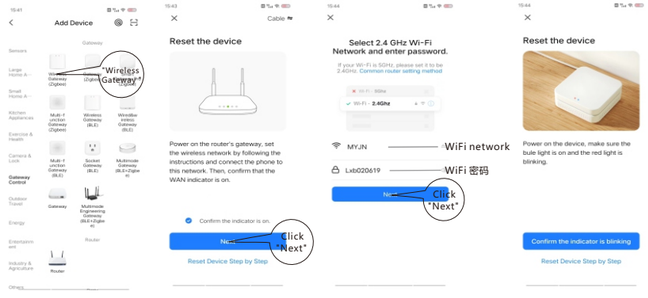
Before configuring WIFI , please make sure your phone is connected to 2.4GHz WIFI.

Use your mobile phone to scan the QR code below to download the " Tuya Smart " app.

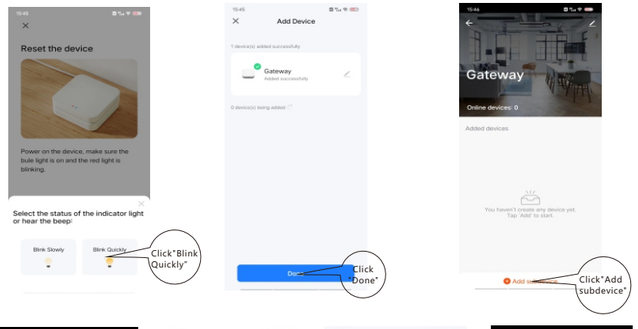
Gateway network configuration operation:

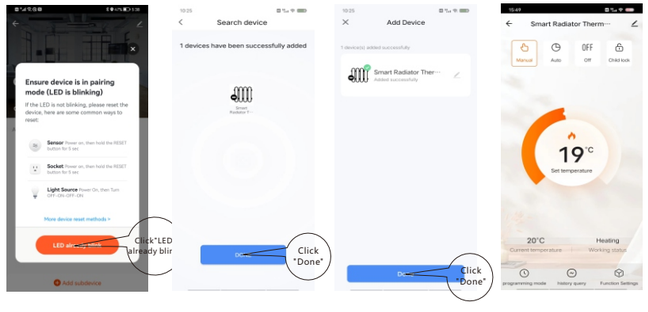




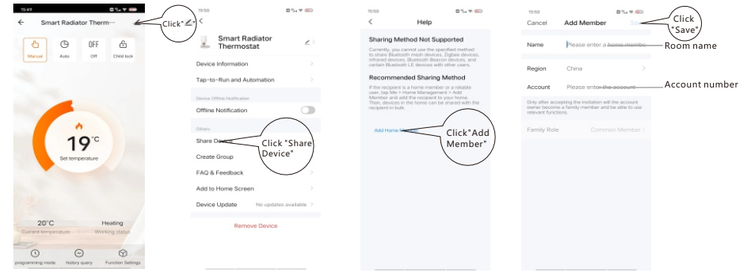

2.Controller network configuration:






## 4)Device sharing instructions:




### 5) Description of equipment upgrade function

If you want to improve the important functions of the controller, you can click " " to enter the device upgrade function on the main interface of APP control, click Device Upgrade, and confirm the upgrade.

### 6) Third-party voice control

Supports Amazon Alexa" "and Google Assistant " ".

If you have finished to install Smart Life then open Amazon Alexa App: sign in your Alexa account and enter password.Select Smart Life in the search results, and then click "Enable Skill". Then input the user name and password of Smart Life APP thatyou had previously registered.After the above operation is successful, you can control the device via Echo.

Voice examples: Alexa

Query the ambient temperature:

Alexa, what is the temperature of <device name>

Power switch: "Alexa, turn on <device name>"
"Alexa, turn off <device name>"

Temperature mode: "Alexa, turn off the heat."
"Alexa, set <device name> to automatic."
"Alexa, what mode is my <device name> set to?"

Temperature value: "Alexa, make it warmer in here."
"Alexa, make it cooler in here."
"Alexa, what is the target temperature of the<device name>?"
"Alexa, set <device name> to twenty."
"Alexa, set <device name> to N"

Voice examples: Google

Power switch: "OK Google, turn on <devcie name>."
"OK Google, turn off <devcie name>."

Query the ambient temperature: "OK Google, what is the current device temperature?"

Common environment settings: "OK Google, set the <device name> to 350 degrees."
"OK Google, set the <device name> to 350 degrees."

### Instructions for unnetworking

Turn the knob to the "OF" state, press and hold the button for 5 seconds, the screen WiFi "" icon is flashing, at this time the controller resets the network.