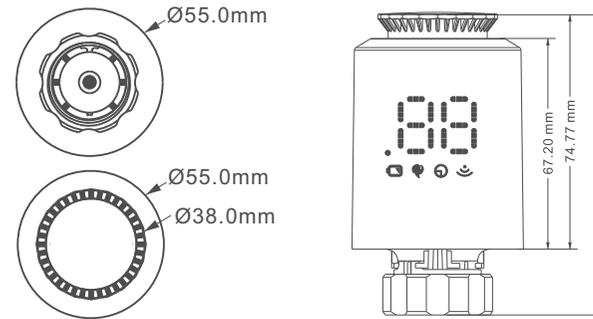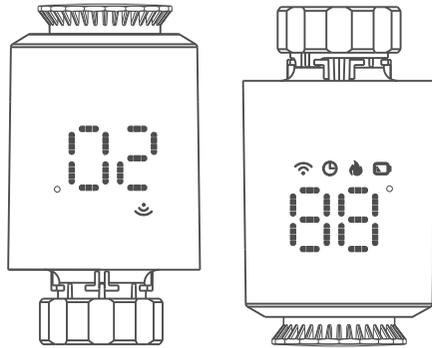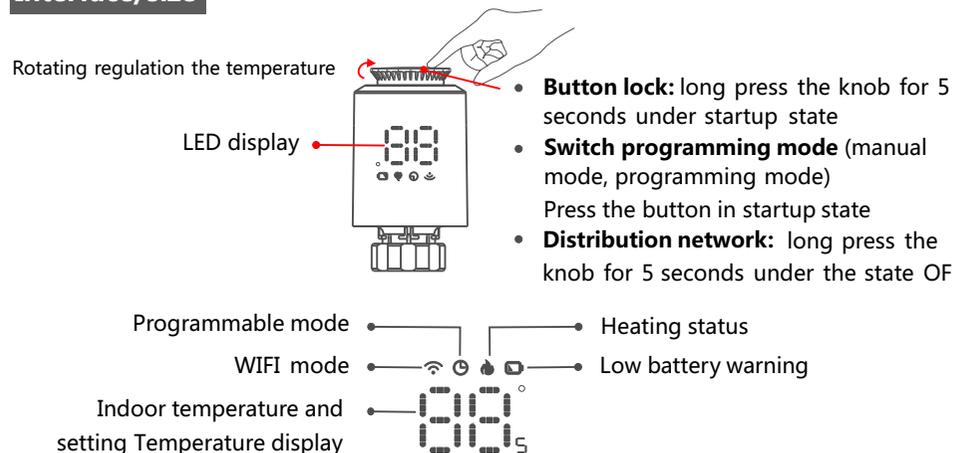# TRV06 Wireless Smart Radiator Thermostat



## Application

This product is an intelligent water heating controller with GZB and low power consumption, suitable for water system water heating control valve controller. The temperature controller is provided with six time periods a day, and the temperature of six time periods can be set every day to control the heater, and the cycle programming is adopted. By comparing the results of environmental temperature and set temperature, the mobile phone APP controls the work of the water heater, and can also freely choose manual control and time control.

## 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. Communication protocol: GZB   8.Frequeny:  2.4G

## Interface/size

Rotating regulation the temperature

LED display

- **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
- **Distribution network:** long press the knob for 5 seconds under the state OF

Programmable mode

WIFI mode

Indoor temperature and setting Temperature display

Heating status

Low battery warning



## 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 to drop by more than 6°C within 4 minutes, the main screen displays "OP"and closes the valve. If the room temperature rises by 3°C, this function can be released or it can be released automatically after 48 minutes, or it can be manually released. |
| **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 excessive scale, and the heat sink will not be able to be used. In order to ensure the normal use of the heat sink, the controller will automatically open the valve fully every two weeks. It runs for 30 seconds at a time, during which the screen displays "Ad", and returns to the running state after running. |
| **Child lock function** | In order to prevent the settings of the controller from being mistakenly modified by children, long press the rotary 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 in programming mode, if you want to manually change the temperature of the current programming per iod, turn the button to adjust the temperature you want to set, the temperature will remain until the end of the current programming period. |
| **Anti-freezing** | in the shutdown state (dispaly "OF"),the mobile APP shows that the anti-freezing function is on. Anti-freezing function: when the room temperature is lower than 5 degrees Celsius, the valve opens, when the temperature rises to 8 degrees Celsius, the valve closes. |
| **Warning** | When in the normal working range, NTC is damaged and" Er" is displayed. |
| **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

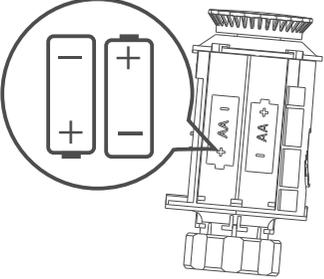❶ Press the snap to remove the protective cover
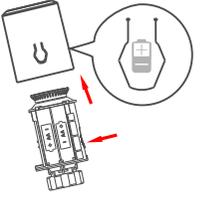
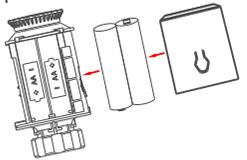❷ Install a protective cover on the battery rear cover
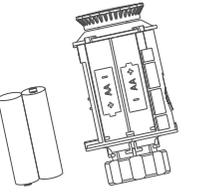
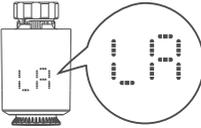No.5 battery*2

## Attention

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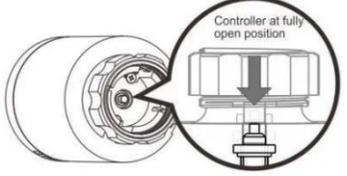
### Installation steps

❶ Put the battery in the battery compartment and cover it with a protective cover.
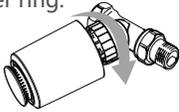
❷ Screen display [ LA ]

❸ When the push rod is drawn flush with the bottom.

Controller at fully open position

❹ Place the controller on the valve of the M30*1.5mm threaded connection and tighten the copper ring.

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

❺ Press the rotate button, the screen will display [ LA ] the controller starts to match the valve stroke, and the initial setting will be entered after the match.

LA
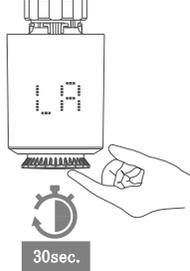
30sec.

## Parts selection and installation

1、Check the valve size on your valve body.

| Danfoss | CALEFFI | GIACOMINI |
|---|---|---|
| 1/2 valve ( RA ) | 1/2 valve | 1/2 valve + Espulsore corto |
| | | |

2、Accessories installation

### Danfoss    1/2 valve(RA)

Please fix the valve interface directly and then tighten the screw.

### CALEFFI    1/2 valve

Please place the fittings directly on the valve and press hard to make the fittings and the valve jam.

### GIACOMINI    1/2 valve

Giacomini 1/2 needs to install the short ejector rod accessory to the bottom of the controller, please put the accessories directly on the valve and press hard to make the accessories and valve stunk, and then screw into ME167 driver.

## 1) Controller network:

Rotate the knob to adjust the temperature to the "OF" state, press and hold the knob for 5 seconds to enter the network configuration interface, the screen WIFI " 🛜 " is flashing, at this time the control panel has entered the network state, and the screen WIFI logo shows that it is connected success.

## 2) Gateway distribution network:

The two green lights on the gateway are on, and it has entered the state of network distribution. refer to the operating instructions of the gateway for the network configuration status of the gateway)

## 3)Mobile phone networking steps:

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

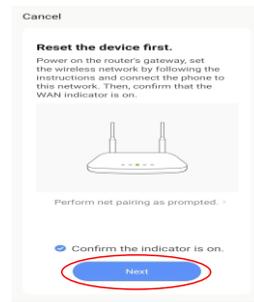1. Use your mobile phone to scan the QR code below to download the "Tuya Smart" app.

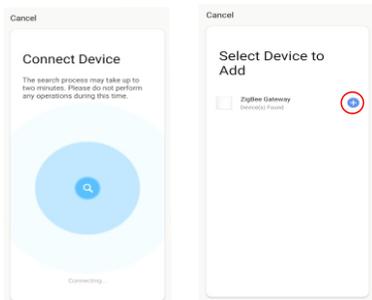2.Open the "Tuya Smart" app and click "Add Device "as shown below.
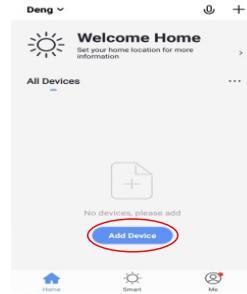


3. After clicking "Gateway Control", select and click "Router (Gateway )" as shown in the figure below.
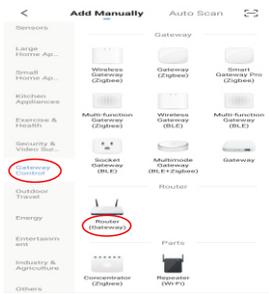
4. Click "Confirm the indicator is on" and then click "Next" as shown in the figure below.

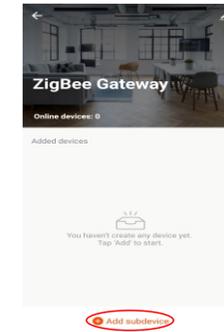5. After searching for the gateway, click " ➕ " as shown in the figure below.

6. The mobile phone enters the device search and connection mode as shown in the figure below.
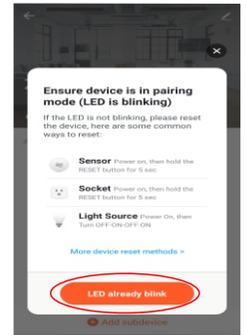
7. The mobile device is successfully connected to the gateway, click " Done " as shown in the figure below.
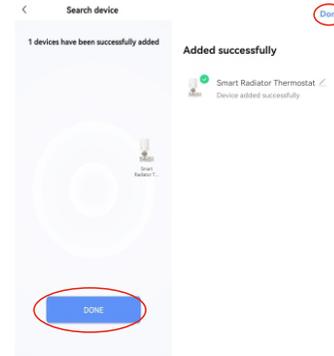
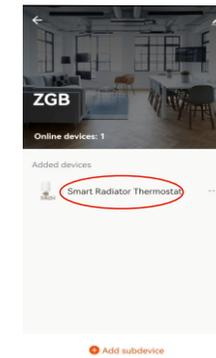8. Click "Add sub-device" as shown in the figure below.

9. Click "LED already blink" as shown in the figure below.

10. After searching for the device, click "DONE" as shown in the figure below.

11. Click the added device as shown in the figure below.

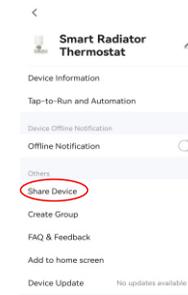12. Enter the main interface as shown in the figure below.
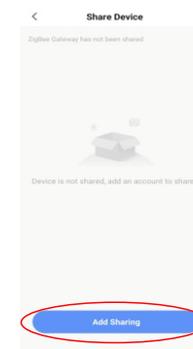
## 4)Device sharing instructions:

1.Click" ✎ "as shown below.

2.Click "Share Device" as shown below.

3.Click "Add Sharing" as shown below.

4.After entering the account number ,click "Done" as shown below.