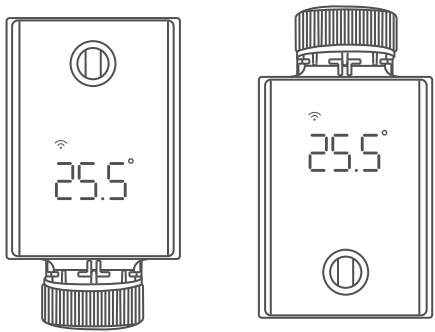


TRV60 Wireless Smart Radiator Thermostat



Overview

The TRV60 Zigbee smart radiator thermostat is based on a low-power Tuya Zigbee module. It has been designed to replace the traditional manual valve controller on radiators. Tuya cloud technology enables it with app control, voice control, 6 time periods per day/weekly programming, child lock, family sharing, and other intelligent functions.It can be bound with (specified) temperature and humidity sensors as well as (specified) door/window magnetic sensors for combined use. Included with the TRV are valve installation accessories, making it compatible with over 90% of radiator valves on the market.

Electrical Specifications

1. Power supply:2\* AA 1.5V alkaline batteries

2. Temperature sensor : NTC

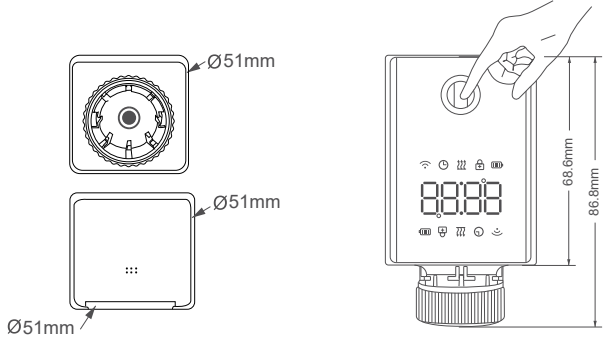
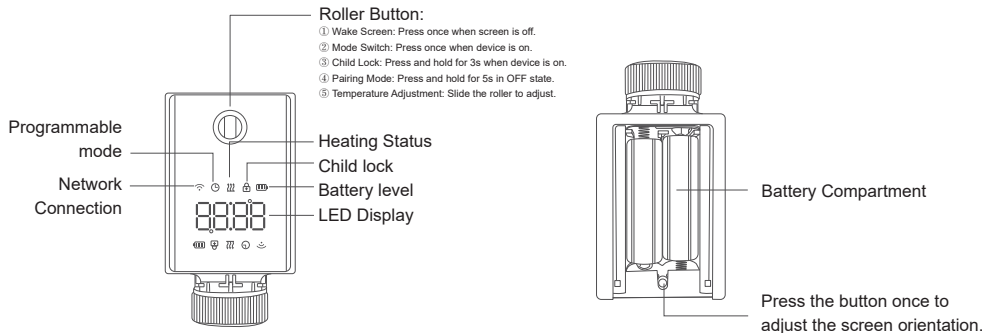
3.Temperature accuracy : ±1°C

4. Display range : 0~50°C
5. Temperature setting : 5~35°C

6. Applicable temperature:0~50°C

7.Communication protocol: Zigbee

Interface/size



Operating instruction

	Switch on and off To turn off: Slide the scroll wheel until the screen displays "OFF". To turn on and set temperature: Slide the scroll wheel to the desired temperature.
	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 scroll wheel button to activate the child lock function in the power - on state, and the screen displays “ ”. 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 (display “OFF” ),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.
	Warning When the TRV malfunctions, the screen will display “ER”, such as NTC damage, program errors, motor faults, etc.
	Low voltage warning function When the battery voltage is lower than 2.2V, the alarm symbol “ ” will be displayed to remind the user to replace the battery.

Controller Installation

Electricity way

1 Slide the battery cover down according to the arrow indication on the TRV

2 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

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

2 Screen display [ LA ]

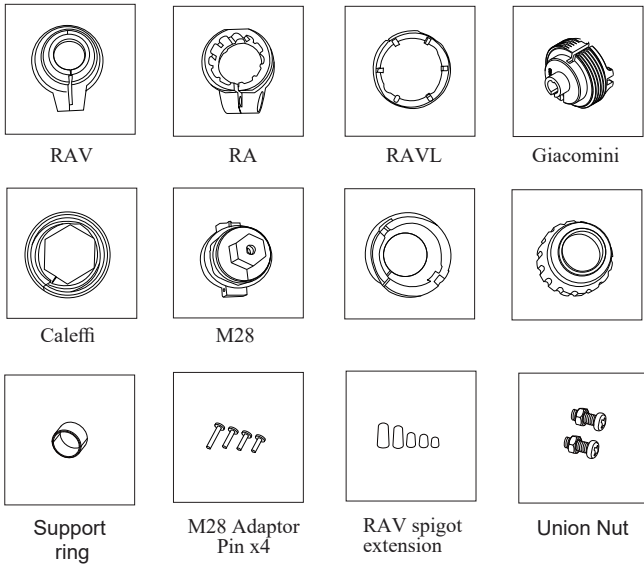
3 When the push rod is drawn flush with the bottom.Controller at fully open position

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

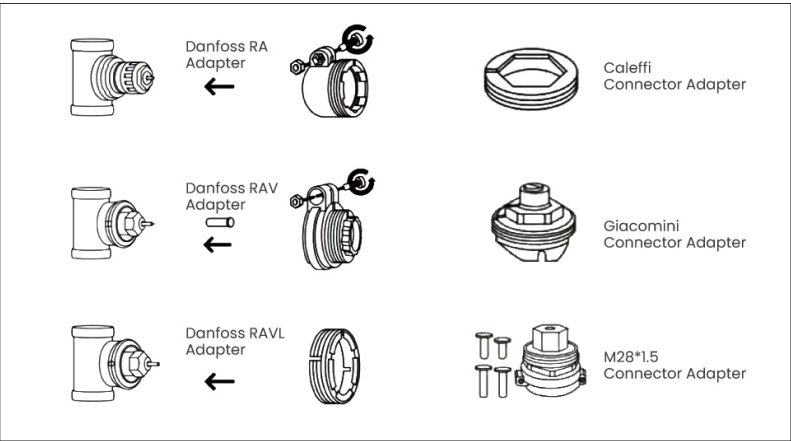
If your valve interface does not match the controller, install the accessory first.

Parts selection and installation

1.Choose an adapter that matches the valve



2. Accessories installation



1)TRV network paring:

Rotate the knob to adjust the temperature to the "OFF" state, press and hold the knobfor 5 seconds to enter the network configuration mode, WiFi" ( ) "icon start fast flashing, Then connect it with zigbee gateway as the following instruction in 3 )

2)Gateway distribution network:

( refer tooperating instructions of the gateway for the network configuration status of the gateway)

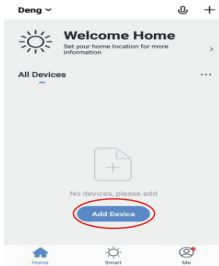
3)APP Connection Instruction:

Before configuring WiFi , please make sure your phone is connected to 2.4GHz WiFi and Bluetooth is turned on.

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



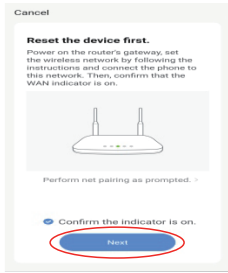
2.Open the " Tuva Smart "app and click "Add Device "as shown below.



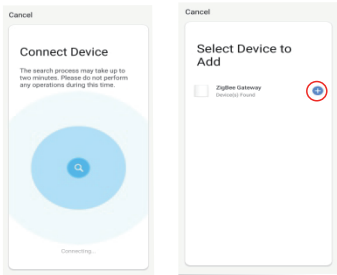
3. After clicking "Gateway Control", select and click "Router (Gateway )" as shown in the figure below.



4. Click "Confirm the indicator is on" and then click "Next" as shown in the figure below



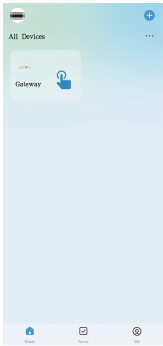
5. After searching for the gateway, click "+" as shown in the figure below.



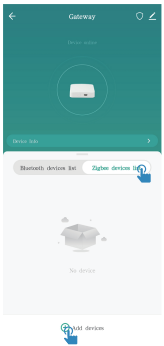
6. The mobile phone enters the device search and connection mode as shown in the figure below.



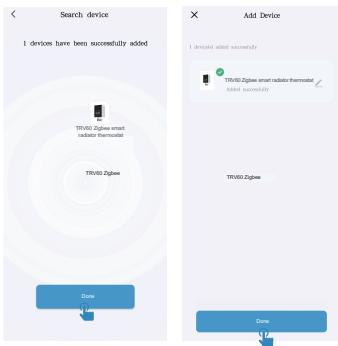
7.After adding the Zigbee gateway, click the gateway to enter the device addition page



8.Switch to "Zigbee device list" as indicated in the figure below, then click to add a device.



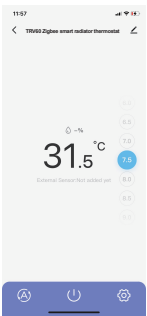
9.After searching for the device, click"Done" as shown in thefigure below.



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

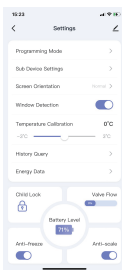


11.Enter the main interface as shown in the figure below

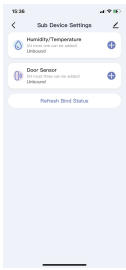


4)Add sub devices

1.The gateway first adds a temperature and humidity sensor (only ZWHS16) door/window magnetic sensor (up to 3 ZDS16).



2.Enter the settings of the thermostatic valve - click on sub-device settings - click to add a sub-device



3. Added successfully:  
1) After successfully adding the external sensor, TRV will operate based on the external sensor.

2) Successfully added door and window sensors, and the window detection function will detect the status of doors and windows based on their condition.

