

[Manuals.plus](#) /

› [SENCKIT](#) /

› SENCKIT Smart Thermostat Radiator Valve User Manual

SENCKIT Zigbee-TRV

SENCKIT Smart Thermostat Radiator Valve User Manual

Model: Zigbee-TRV

INTRODUCTION

Thank you for choosing the SENCKIT Smart Thermostat Radiator Valve. This device is designed to provide intelligent and efficient temperature control for your home's heating system, primarily used with floor heating systems to manage pipe opening and closing. Featuring a mini design with an LCD digital display, it offers convenient control via the Tuya Smart/Smart Life App and voice commands through Amazon Alexa and Google Home. A Zigbee hub is required for its operation (sold separately).



Image: The SENCKIT Smart Thermostat Radiator Valve, showing its compact design, LCD display, and a smartphone screen displaying its control interface.

Safety Information

Please read this manual carefully before installation and operation. Keep it for future reference. Failure to follow these instructions may result in product damage or personal injury.

- Ensure the power source (batteries) is correctly installed.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Keep the device out of reach of children to prevent accidental operation or damage. The device includes a child lock function for added safety.
- This device is designed for indoor use only.

Package Contents

Verify that all items are present in your package:

- 1 x Smart Thermostat Radiator Valve (Black)

- 1 x Instruction Manual
- 2 x AA Batteries (pre-installed or included separately)

PRODUCT OVERVIEW

The Smart Thermostat Radiator Valve features a compact design with an integrated LCD display for clear temperature readings and status indicators. It is powered by two AA batteries and connects wirelessly via Zigbee to a compatible hub.



Image: Technical drawing showing the dimensions of the Smart Thermostat Radiator Valve. The device measures 74mm (L) x 55mm (D).

Key Features:

- LCD Digital Display
- Programmable Temperature Range: 5°C to 45°C
- Display Temperature Range: 0°C to 70°C
- Zigbee Connectivity (requires hub)

- App Control (Tuya Smart/Smart Life)
- Voice Control (Alexa, Google Home)
- Multiple Modes: Vacation, Comfort, Window Opening, Automatic, Manual, Energy Saving
- Weekly Programmable Schedule (5+2, 6+1, 7 days with 6 periods)
- Child Lock Function
- Anti-freezing Function
- Low Voltage Warning

SETUP

1. Battery Installation

The device requires 2 AA batteries. Ensure they are inserted with the correct polarity as indicated inside the battery compartment.

2. Mounting on Radiator

The Smart Radiator Thermostat Valve is designed for easy installation on most standard radiator valves. Follow the instructions provided with your specific radiator valve for removal of the old head and attachment of the new smart valve. Ensure a secure fit.

3. Zigbee Hub Requirement

IMPORTANT: A Zigbee hub is required for the smart functions of this device. The hub is sold separately and is not included in this package. Ensure you have a compatible Tuya Zigbee Hub.

4. App Installation

Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (Google Play Store for Android or Apple App Store for iOS).

[Download Tuya Smart App \(Android\)](#)

[Download Tuya Smart App \(iOS\)](#)

[Download Smart Life App \(Android\)](#)

[Download Smart Life App \(iOS\)](#)

Register or log in to your account within the app.

Mobile App Control Easy To Operate

It Can be accessed through “Tuya Smart” or “Smart Life” APP Control

Note: Tuya Zigbee Hub is Required(sold separately)



Image: A smartphone displaying the Tuya Smart app interface, controlling a white smart radiator thermostat valve mounted on a radiator.
Text highlights "Mobile App Control Easy To Operate" and "Note: Tuya Zigbee Hub is Required (sold separately)".

5. Pairing with App

1. Ensure your Zigbee hub is powered on and connected to your home network.
2. Open the Tuya Smart/Smart Life app.
3. Add a new device. Select the Zigbee Thermostat Radiator Valve from the device list.
4. Follow the on-screen instructions in the app to put the thermostat into pairing mode. This usually involves pressing and holding a button on the thermostat until an indicator light flashes.
5. Once successfully paired, you can rename the device and assign it to a specific room.

OPERATING INSTRUCTIONS

1. Manual Control

You can adjust the temperature directly on the device using the physical buttons (if available) or by rotating the valve

head. The LCD display will show the current temperature setting.

2. App Control

Once paired with the Tuya Smart/Smart Life app, you can control the thermostat remotely from anywhere with an internet connection.

- **Temperature Adjustment:** Use the app interface to set your desired temperature.
- **Mode Selection:** Switch between various modes such as Vacation Mode, Comfort Mode, Automatic Mode, Manual Mode, and Energy Saving Mode.
- **Window Opening Function:** The device can detect a sudden drop in temperature (e.g., when a window is opened) and temporarily adjust heating to save energy.

3. Voice Control

Integrate your Smart Thermostat Radiator Valve with Amazon Alexa or Google Home for convenient voice control. Ensure your Tuya Smart/Smart Life account is linked to your Alexa or Google Home app.

Voice Control

The TRV works with Amazon Alexa, Google Assistant, so you can control your device how you like. Make your home warmer.

amazon alexa Google Assistant

Hi google, switch to ECO mode

"Okay"

The image is a promotional graphic for voice control. It features a white Smart Thermostat Radiator Valve (TRV) mounted on a radiator in the bottom left. In the bottom right, a Google Home smart speaker sits on a wooden desk. A blue speech bubble from the speaker says "Hi google, switch to ECO mode" with a blue microphone icon below it. Another blue speech bubble above the speaker says "Okay". In the center, there are icons for Amazon Alexa and Google Assistant, followed by a large blue microphone icon. Wavy blue lines connect these elements. The background is a light-colored wall with a round clock and a window on the right.

Image: An illustration showing the Smart Radiator Thermostat being controlled by voice commands via Amazon Alexa and Google Assistant. Example commands like "Alexa, set the temperature in the bedroom to 22°C" and "Hi Google, switch to ECO mode" are displayed.

Example commands:

- "Alexa, set [device name] to 22 degrees."
- "Hey Google, what's the temperature in [room name]?"
- "Alexa, turn on [device name]."

4. Weekly Programmable Function

Set a customized heating schedule for your home to maximize comfort and energy savings. The thermostat supports 5+2 (weekdays + weekend), 6+1 (weekdays + Saturday + Sunday), and 7-day weekly schedules with up to 6 periods per day.

Weekly Programmable Schedule
5+1+1 seven periods programmable maximize comfort and energy-saving strategy. Programmed schedules guarantee comfortable temperature, easy UI interface could be used even by child.

Time display	From Monday to Friday (Screen display)		Saturday (Screen display)		Sunday (Screen display)	
	Time period	Temperature	Time period	Temperature	Time period	Temperature
Period 1	6:00~11:30	20°C	6:00~12:00	24°C	6:00~12:00	19°C
Period 2	11:30~13:30	21°C	12:00~14:30	23°C	12:00~14:30	20°C
Period 3	13:30~17:30	22°C	14:30~17:30	22°C	14:30~17:30	21°C
Period 4	13:30~6:00	23°C	13:30~6:00	21°C	13:30~6:00	20°C

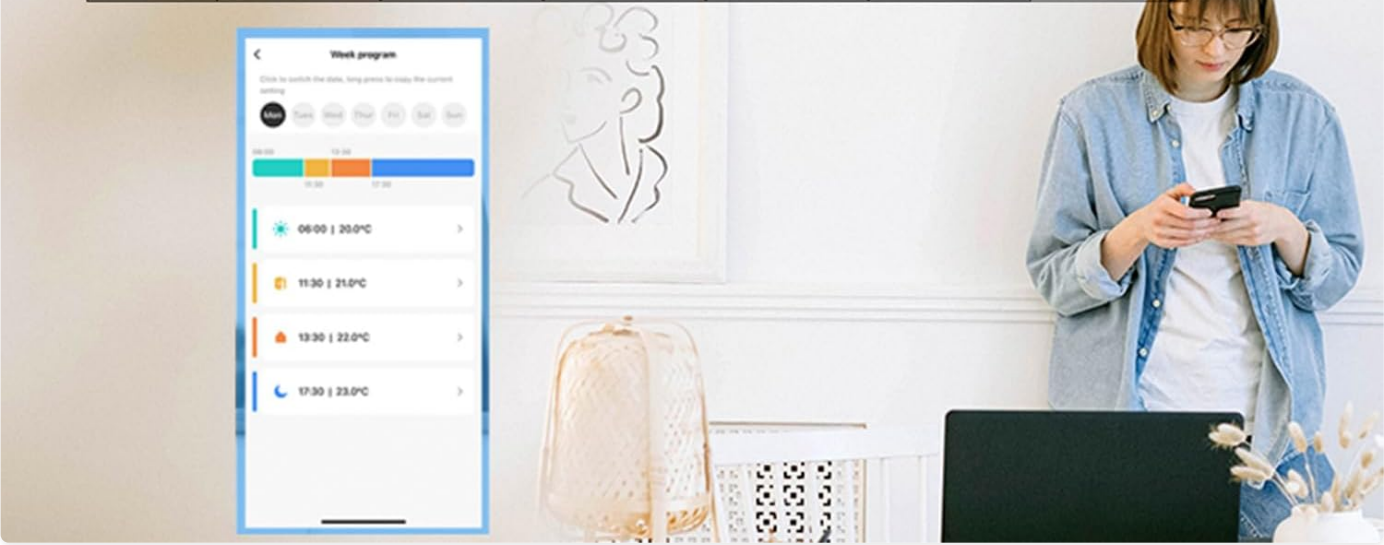


Image: A table illustrating a weekly programmable schedule with time periods and corresponding temperatures for Monday to Friday, Saturday, and Sunday. Below the table, a smartphone screen shows the app interface for setting these schedules. Configure your schedule through the Tuya Smart/Smart Life app.

5. Child Lock Function

Activate the child lock feature via the app to prevent unauthorized changes to the thermostat settings by children.

6. Anti-freezing Function

The device automatically activates heating if the ambient temperature drops below a certain threshold (typically 5°C) to prevent pipes from freezing.

7. Low Voltage Warning

The LCD display will show a low battery icon when the battery voltage is low, indicating that the batteries need to be replaced soon.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** When the low voltage warning appears, replace both AA batteries promptly to ensure continuous operation.
- **Storage:** If storing the device for an extended period, remove the batteries to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	Batteries are dead or incorrectly installed.	Replace batteries with new ones, ensuring correct polarity.
Cannot connect to Zigbee hub/app.	Zigbee hub is off, out of range, or not in pairing mode. Device not in pairing mode.	Ensure hub is powered and online. Move device closer to hub. Put both hub and device into pairing mode as per their respective manuals. Check Wi-Fi connection for the hub.
Temperature not adjusting.	Device is in manual mode, child lock is active, or valve is stuck.	Check app settings for mode. Disable child lock. Manually check the radiator valve for any obstructions.
Voice control not working.	App account not linked to Alexa/Google Home. Incorrect device name.	Verify account linking in Alexa/Google Home app. Use the exact device name configured in the Tuya Smart/Smart Life app.
Inaccurate temperature reading.	Device placed in a drafty area or near a heat source.	Relocate the device if possible, or consider using a temperature offset feature in the app if available.

SPECIFICATIONS

Brand	SENCKIT
Model Name	Thermostat Radiator Valve (Zigbee-TRV)
App	Tuya Smart / Smart Life App

Connectivity Technology	Zigbee
Controller Type	Amazon Alexa, Google Home
Power Source	2 x AA Batteries (included)
Set Temperature Range	5°C ~ 45°C (41°F ~ 113°F)
Display Temperature Range	0°C ~ 70°C (32°F ~ 158°F)
Ambient Humidity	5% ~ 95% RH
Storage Temperature	-5°C ~ 45°C (23°F ~ 113°F)
Protection Grade	IP20
Product Dimensions (L x D)	74mm x 55mm (2.91in x 2.16in)
Item Weight	235g (8.3 ounces)
Display Type	LCD
Backlight	Yes

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided in the original product packaging or visit the official SENCKIT website. Keep your purchase receipt as proof of purchase for warranty claims. SENCKIT is committed to innovating and developing smart home devices. For further assistance or to provide feedback, please reach out to our customer service team.



Image: A modern living room scene with the text "Enjoy Your Smart Life", symbolizing the comfort and convenience provided by SENCKIT smart home products.

