

[Manuals.plus](#) /

› [SENCKIT](#) /

› SENCKIT Smart Thermostat Radiator Valve User Manual

SENCKIT Zigbee-TRV

SENCKIT Smart Thermostat Radiator Valve User Manual

Model: Zigbee-TRV

Brand: SENCKIT

1. PRODUCT OVERVIEW

The SENCKIT Smart Thermostat Radiator Valve is a programmable thermostatic valve designed for hot water heating systems. It allows for precise temperature adjustment in individual rooms by controlling the flow of hot water to the radiator. This device integrates with smart home ecosystems, offering app and voice control capabilities.



Image 1.1: SENCKIT Smart Thermostat Radiator Valve and its mobile application interface.

Key Features:

- **Programmable Thermostatic Control:** Allows setting indoor temperature between 5°C and 45°C.
- **Zigbee Connectivity:** Requires a Tuya Zigbee Hub (sold separately) for smart functionality.
- **App Control:** Manage settings and monitor temperature via Tuya Smart/Smart Life App.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free operation.
- **Multiple Operating Modes:** Includes Vacation, Comfort, Window Opening, Automatic, Manual, and Energy Saving modes.
- **Weekly Programming:** Supports 5+2, 6+1, and 7-day schedules with 6 periods per day.
- **Safety Features:** Child lock, anti-freezing function, and low battery warning.

About The Thermostat

Zigbee Thermostat radiator valve (TRV) is a self-regulating valve fitted to hot water heating system radiator to control the temperature of a room by changing the flow of hot water to the radiator. With the TRV you can conveniently adjust the room temperature between 5-35 °C, and save more than 15% of energy. The radiator thermostat fits to all common radiator valves and is easy to mount-without having to drain any water or intervene in the heating system. The additional boost function enables the radiator to be heated up quickly for a brief period of time by opening the valve for 5 minutes. There will be a pleasant room temperature right away because of the radiated heat.



Child
Lock



Programming
Mode



Voice
Control



Holiday
Mode



Mobile APP
Control



ECO
Mode



Image 1.2: Overview of the thermostat's main functions.

2. SPECIFICATIONS

Feature	Description
Brand	SENCKIT
Model Name	Thermostat Radiator Valve
Item Model Number	Zigbee-TRV
Color	White

Feature	Description
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	2 AA batteries (included)
Set Temperature Range	5~45°C
Display Temperature Range	0~70°C
Ambient Humidity	5~95%RF
Storage Temperature	-5~45°C
Protection Grade	IP20
Connectivity Technology	Zigbee
Control Method	App, Voice (Amazon Alexa, Google Home)
Display Type	LCD with Backlight
Product Dimensions (L x D)	74mm x 55mm (2.91in x 2.16in)
Item Weight	0.25 Kilograms (8.9 ounces)

Share Device With Family

Create a smart home together with your family member.



Image 2.1: Product dimensions of the Smart Thermostat Radiator Valve.

3. SETUP AND INSTALLATION

3.1 Important Requirement: Zigbee Hub

This Smart Radiator Thermostat Valve requires a **Tuya Zigbee Hub** to function with the mobile application and voice control features. The Zigbee hub is sold separately and is essential for establishing communication between the valve and your smart home network.

3.2 Physical Installation

1. **Prepare the Radiator:** Ensure your radiator valve is compatible with the SENCKIT Smart Thermostat. The design is intended to fit common radiator valves.

2. **Remove Old Thermostat (if applicable):** Carefully remove any existing thermostatic radiator valve head.
3. **Install Batteries:** Open the battery compartment of the SENCKIT Smart Thermostat Radiator Valve and insert the two AA batteries provided, observing correct polarity.
4. **Mount the Valve:** Attach the SENCKIT Smart Thermostat Radiator Valve to the radiator valve body. This process is designed to be straightforward and typically does not require draining the heating system. Secure it firmly according to the specific adapter type if one is needed.
5. **Power On:** Once mounted, the device will power on and be ready for pairing.

3.3 App Pairing (Tuya Smart/Smart Life)

1. **Download App:** Download and install the 'Tuya Smart' or 'Smart Life' application on your smartphone from your device's app store.
2. **Add Zigbee Hub:** If you haven't already, add your Tuya Zigbee Hub to the app and ensure it is connected to your home Wi-Fi network.
3. **Enter Pairing Mode:** Follow the instructions in the app or the valve's display to put the Smart Thermostat Radiator Valve into pairing mode. This usually involves a long press of a button on the device.
4. **Discover Device:** In the Tuya Smart/Smart Life app, select the option to add a new device and allow it to search for Zigbee devices.
5. **Complete Pairing:** Once the valve is discovered, follow the on-screen prompts in the app to complete the pairing process.

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 3.1: Mobile app control interface and device installation on a radiator.

4. OPERATING INSTRUCTIONS

4.1 Manual Control

You can manually adjust the temperature directly on the device using the physical buttons or rotating mechanism. The LCD digital display will show the current temperature setting.

4.2 App Control

Once paired with the Tuya Smart/Smart Life app, you can control the thermostat remotely. The app allows you to:

- View current room temperature.
- Adjust the target temperature.

- Switch between different operating modes (Vacation, Comfort, ECO, etc.).
- Set and modify weekly schedules.
- Enable/disable child lock.
- Receive low battery warnings.

4.3 Voice Control

The Smart Thermostat Radiator Valve is compatible with Amazon Alexa and Google Home. After linking your Tuya Smart/Smart Life account to your voice assistant, you can use voice commands to control the thermostat. For example:

- "Alexa, set the bedroom temperature to 22 degrees Celsius."
- "Hey Google, switch the living room to ECO mode."



Image 4.1: Voice control functionality with Amazon Alexa and Google Assistant.

4.4 Weekly Programmable Schedule

The device supports flexible weekly programming to optimize comfort and energy savings. You can set up to 6 time periods per day for 5+2 (weekdays/weekend), 6+1 (weekdays/Saturday/Sunday), or 7-day schedules. This allows for

customized temperature settings throughout the day and week.

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

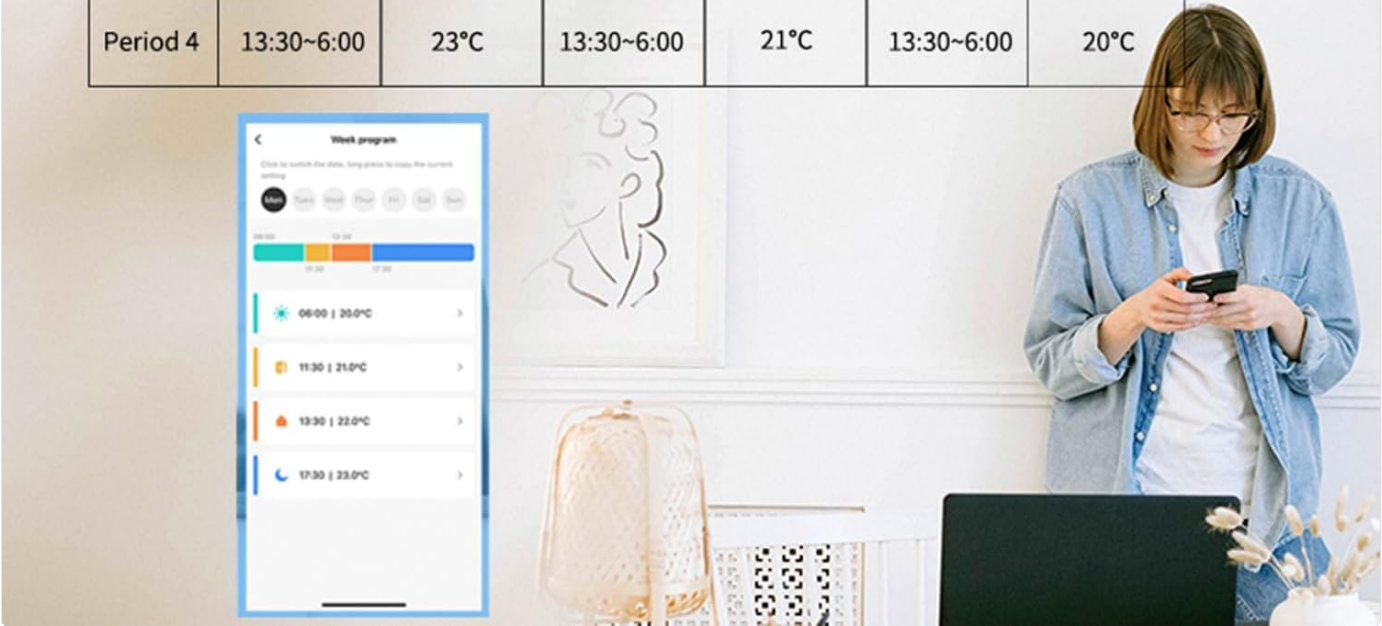


Image 4.2: Example of a weekly programmable schedule and its app interface.

4.5 Special Modes and Functions

- **Window Opening Function:** Detects open windows and temporarily adjusts heating to save energy.
- **Anti-freezing:** Prevents pipes from freezing by maintaining a minimum temperature.
- **Child Lock:** Prevents unauthorized changes to settings.
- **Boost Function:** Temporarily opens the valve for 5 minutes to quickly heat the room.

5. MAINTENANCE

- **Battery Replacement:** When the low battery warning appears on the display or in the app, replace the two AA

batteries promptly. Use high-quality alkaline batteries for optimal performance.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Avoid Water Exposure:** The device has an IP20 protection grade, meaning it is not protected against water. Avoid exposure to moisture or direct water spray.

6. TROUBLESHOOTING

- **Device Not Responding:**
 - Check battery level and replace if necessary.
 - Ensure the Zigbee hub is powered on and connected to the internet.
 - Verify the device is within range of the Zigbee hub.
 - Attempt to re-pair the device with the Zigbee hub via the app.
- **Incorrect Temperature Readings:**
 - Ensure the device is not exposed to direct sunlight or drafts, which can affect readings.
 - Calibrate the temperature if the app provides such an option.
- **App Control Issues:**
 - Confirm your smartphone has an active internet connection.
 - Check if the Tuya Smart/Smart Life app is updated to the latest version.
 - Restart the app or your smartphone.
- **Voice Control Not Working:**
 - Ensure your Tuya Smart/Smart Life account is correctly linked to Amazon Alexa or Google Home.
 - Verify the device name used in voice commands matches the name in the app.
 - Check the internet connection of your voice assistant device.

7. IMPORTANT NOTES

- A Tuya Zigbee Hub is mandatory for smart features (app control, voice control, scheduling).
- The device is designed for use with hot water heating systems and radiator valves.
- Operating temperature range for the device is 5°C to 45°C.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question