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## MIUCDA TRV10-WIFI

# MIUCDA Smart WiFi Radiator Thermostat

MODEL: TRV10-WIFI USER MANUAL

### Introduction

Thank you for choosing the MIUCDA Smart WiFi Radiator Thermostat (TRV10-WIFI). This intelligent device allows you to control your radiator heating system efficiently, offering convenience through app control, voice commands, and programmable schedules. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and energy savings.



The MIUCDA Smart WiFi Radiator Thermostat TRV10-WIFI connects directly to your 2.4G WiFi router, eliminating the need for a separate Zigbee hub.

## Safety Information

- Read all instructions carefully before installation and use.
- **Battery Safety:** Use only 3x AA 1.5V alkaline batteries. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries according to local regulations.
- Ensure the device is installed correctly to prevent damage or malfunction.
- Keep the device out of reach of children to prevent accidental operation or ingestion of small parts.
- Do not expose the device to extreme temperatures, direct sunlight, or moisture.

## Package Contents

- MIUCDA Smart WiFi Radiator Thermostat (TRV10-WIFI)
- Various Radiator Adapters (e.g., for Danfoss RA, RAV, RAV L, Caleffi, Giacomini, M28 valves)
- User Manual

**Note:** 3 AA 1.5V alkaline batteries are required for operation and may not be included in the package. Please check your product packaging.

## Setup and Installation

### 1. Battery Installation

1. Remove the battery compartment cover from the thermostat.
2. Insert 3 AA 1.5V alkaline batteries, ensuring correct polarity (+/-).
3. Replace the battery compartment cover.

**1** Drücken Sie die Batteriefachverriegelung, entfernen Sie die Abdeckung und legen Sie die Batterien ein.

**2** **Note:** The valve must be installed, otherwise the F5 error code will be prompted.  
Wenn „“ aufhört zu blinken, installieren Sie die TRV-Mutter und ziehen Sie sie fest.

**3** Drücken Sie die mittlere Taste für 5 Sekunden, „“ wechselt zum initialisierten Bildschirm.

**4** „Halten Sie die Set-Taste 3 Sekunden lang gedrückt, bis blinkt.“

**5** Rufen Sie die „Hauptoberfläche“ der APP auf, klicken Sie auf das „+“ in der oberen rechten Ecke und wählen Sie „Gerät hinzufügen“.

**6** Das System erkennt das Gerät automatisch. Klicken Sie auf „Hinzufügen“.

**7** Warten Sie, bis die Verbindung erfolgreich hergestellt ist.

**8** Warten Sie, bis die Verbindung erfolgreich hergestellt ist.

Step 1: Press the battery compartment lock, remove the cover, and insert the batteries.

### 2. Mounting to Radiator

The thermostat comes with various adapters to fit different radiator valves. Identify the correct adapter for your valve type.

- If your radiator valve is a standard M30x1.5, you may not need an adapter.
- For other valve types (e.g., Danfoss RA, RAV, RAV L, Caleffi, Giacomini), select the appropriate adapter.
- Attach the chosen adapter to your radiator valve.
- Screw the thermostat onto the adapter or directly onto the valve until it is securely fastened.



Various adapters are provided for compatibility with different radiator valve types.

### 3. App Installation and Pairing

1. Download the **Tuya Smart** or **Smart Life** app from your mobile device's app store (App Store for iOS, Google Play for Android).
2. Register or log in to your account.
3. On the thermostat, press and hold the central button for 3 seconds until the WiFi icon blinks rapidly, indicating pairing mode.
4. Open the app, tap the '+' icon in the top right corner, and select 'Add Device' or 'Auto Scan'.
5. Follow the on-screen instructions to connect the thermostat to your 2.4GHz WiFi network. Ensure your phone is also connected to the same 2.4GHz network.
6. Once connected, you can rename the device and begin controlling it via the app.

**Sparen Sie mehr Energie**

Dank vollständiger Nutzungsberichte können Sie Ihre Heizung effizient verwalten und Geld sparen.

Control your thermostat anytime, anywhere using the Tuya Smart or Smart Life mobile application.

### Operating Instructions

## 1. Manual Control

You can manually adjust the temperature directly on the thermostat by rotating the knob. The current temperature will be displayed on the screen.

## 2. App Control

Use the Tuya Smart or Smart Life app to remotely control your thermostat. You can:

- Adjust the target temperature.
- Set heating schedules.
- Activate/deactivate features like open window detection or child lock.
- Monitor temperature history and energy usage.

## 3. Voice Control (Alexa / Google Home)

The thermostat is compatible with Amazon Alexa and Google Home. After linking your Tuya Smart/Smart Life account in the Alexa or Google Home app, you can control the thermostat with simple voice commands.

- Example: "Alexa, set the bedroom temperature to 21 degrees."
- Example: "Hey Google, what is the temperature in the living room?"



Control your radiator thermostat using voice commands with Amazon Alexa or Google Home.

## 4. Programming Schedule

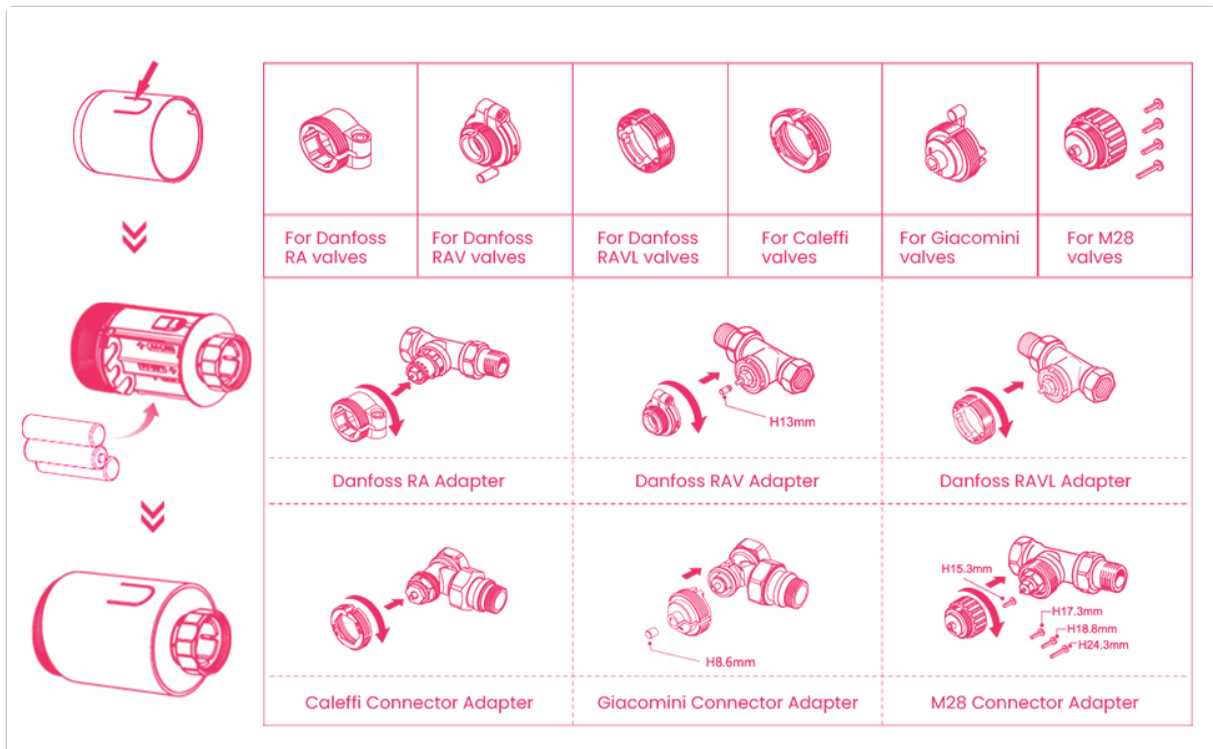
Set up a 7-day programmable weekly schedule with up to 4 time periods per day via the app to optimize heating and save energy.

Create custom heating schedules for each day of the week to match your lifestyle and save energy.

## 5. Open Window Detection

This feature automatically detects a sudden drop in temperature (more than 1.5°C within 5 minutes), indicating an open window. The thermostat will temporarily turn off heating for 30 minutes to prevent

energy waste. Heating resumes if no operation is performed for 30 minutes or if the temperature rises by more than 1.5°C within 4.5 minutes. This function must be enabled in the app.



The open window detection feature helps save energy by temporarily pausing heating when a window is open.

## 6. Temperature Calibration

If you notice a discrepancy between the actual room temperature and the temperature displayed on the TRV, you can calibrate the internal sensor using the app. The adjustment range is typically -10°C to +10°C.



Calibrate the thermostat's temperature sensor via the app for precise temperature management.

## 7. Display Orientation

The digital display can be rotated to two orientations for easier reading, depending on how the thermostat is mounted. Press the setup button to switch the display orientation.

## Bequeme Erfahrung

Einstellbare Bildschirmhelligkeit und niedrige Dezibel sorgen für eine angenehme Schlaf- und Arbeitsumgebung.



Adjust the display orientation for optimal readability based on the thermostat's mounting position.

### 8. Backlight Brightness

The thermostat features three levels of adjustable backlight brightness (Low, Medium, High) to suit your preference and create a comfortable environment, especially during sleep.



Customize the backlight brightness for comfortable viewing in any lighting condition.

## Maintenance

### 1. Battery Replacement

When the battery indicator appears on the display or in the app, replace the batteries promptly. Use 3 new AA 1.5V alkaline batteries. Follow the battery installation steps outlined in the Setup section.

### 2. Cleaning

Wipe the thermostat with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.

## Troubleshooting

Problem	Possible Cause	Solution
Thermostat not connecting to Wi-Fi / Frequent disconnections	Weak Wi-Fi signal, incorrect Wi-Fi password, 5GHz Wi-Fi network, router issues.	<ul style="list-style-type: none"><li>• Ensure your router is broadcasting a 2.4GHz Wi-Fi network.</li><li>• Move the thermostat closer to the Wi-Fi router.</li><li>• Verify the Wi-Fi password entered in the app is correct.</li><li>• Restart your Wi-Fi router.</li><li>• Re-pair the device with the app.</li></ul>
High battery consumption	Poor Wi-Fi signal (device constantly searching), frequent temperature changes, low-quality batteries.	<ul style="list-style-type: none"><li>• Use high-quality alkaline batteries.</li><li>• Ensure a strong Wi-Fi signal to the device.</li><li>• Avoid excessively frequent manual temperature adjustments.</li></ul>
Inaccurate temperature reading	Thermostat placed in a drafty area, direct sunlight, or near another heat source; sensor calibration needed.	<ul style="list-style-type: none"><li>• Relocate the thermostat if possible, or ensure it's not affected by external factors.</li><li>• Perform temperature calibration via the app.</li></ul>
Voice control not working	Not linked to Alexa/Google Home, incorrect device name, internet connectivity issues.	<ul style="list-style-type: none"><li>• Ensure your Tuya Smart/Smart Life account is correctly linked to Alexa/Google Home.</li><li>• Use the exact device name configured in the app.</li><li>• Check your internet connection.</li></ul>

## Specifications

Feature	Detail
Brand	MIUCDA
Model Number	TRV10-WIFI
Color	Black
Power Source	Battery Powered (3x AA 1.5V Alkaline)
Connectivity Technology	WLAN (Wi-Fi 2.4GHz)
Controller Type	Amazon Alexa, Google Home, Mobile App (Tuya Smart/Smart Life)
Special Features	Dimmable Display, Programmable, Frost Protection, Open Window Detection, Temperature Calibration
Temperature Control Type	Heating
Item Weight	230 g
Package Dimensions	14 x 7.7 x 6.7 cm

## Warranty Information

MIUCDA products typically come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official MIUCDA website. Keep your purchase receipt as proof of purchase for warranty claims.

## Customer Support

If you encounter any issues or have questions regarding your MIUCDA Smart WiFi Radiator Thermostat, please refer to the troubleshooting section of this manual. If the problem persists, contact MIUCDA customer support through their official website or the contact information provided in your product packaging. Please have your model number (TRV10-WIFI) and purchase details ready when contacting support.