Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DEWENWILS bf740ffa-687c-484f-a448-dc85306d65b1

DEWENWILS Smart Radiator Thermostat User Manual

Model: bf740ffa-687c-484f-a448-dc85306d65b1

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your DEWENWILS Smart Radiator Thermostat. This device allows for intelligent control of your heating system, offering convenience through app and voice control, programmable schedules, and energy-saving features. Please read this manual carefully before use to ensure proper functionality and safety.

2. Product Overview

2.1 Key Features

- **Remote and Voice Control:** Connects to 2.4G WiFi for control via the Tuya Smart Life app. Compatible with Amazon Alexa and Google Assistant for voice commands.
- **Flexible Programming:** Supports manual and automatic temperature control with various modes (Comfort, ECO, Anti-frost). Up to 6 time windows can be set for each day of the week.
- **Temperature Calibration:** Allows adjustment for discrepancies between the measured temperature and actual room temperature.
- **Window Detection:** Automatically stops heating if a significant temperature drop (1.5°C in 5 minutes) indicates an open window, saving energy.
- **Safety & Comfort:** Includes child lock, low battery warning, and frost/limescale protection. Features an LED display with adjustable direction and brightness.

2.2 Components

The package includes the following items:

- 1 x DEWENWILS Smart Radiator Thermostat (M30 x 1.5 mm)
- 3 x 1.5V AA Batteries
- 6 x Adapters (RA, RAV, RAVL, Caleffi, Giacomini, and M28)
- 1 x User Manual



Image 2.2.1: The DEWENWILS Smart Radiator Thermostat shown alongside its mobile application interface, displaying current temperature settings and control options.



Image 2.2.2: Detailed diagram showing the dimensions (58.4mm width, 95.5mm height) and key components of the thermostat, including the M30 x 1.5mm connection, LED display, rotary knob, and central button.

3. Setup and Installation

3.1 Battery Installation

1. Remove the battery cover from the thermostat.

2. Insert three 1.5V AA batteries, ensuring correct polarity.
3. Replace the battery cover.

3.2 Mounting on Radiator Valve

The thermostat is designed for M30 x 1.5 mm valves. If your radiator valve is not M30 x 1.5 mm, use one of the provided adapters.

1. If necessary, select the appropriate adapter from the six included types (RA, RAV, RAVL, Caleffi, Giacomini, M28).
2. Attach the chosen adapter to your radiator valve.
3. Screw the thermostat onto the adapter or directly onto the M30 x 1.5 mm valve until secure.

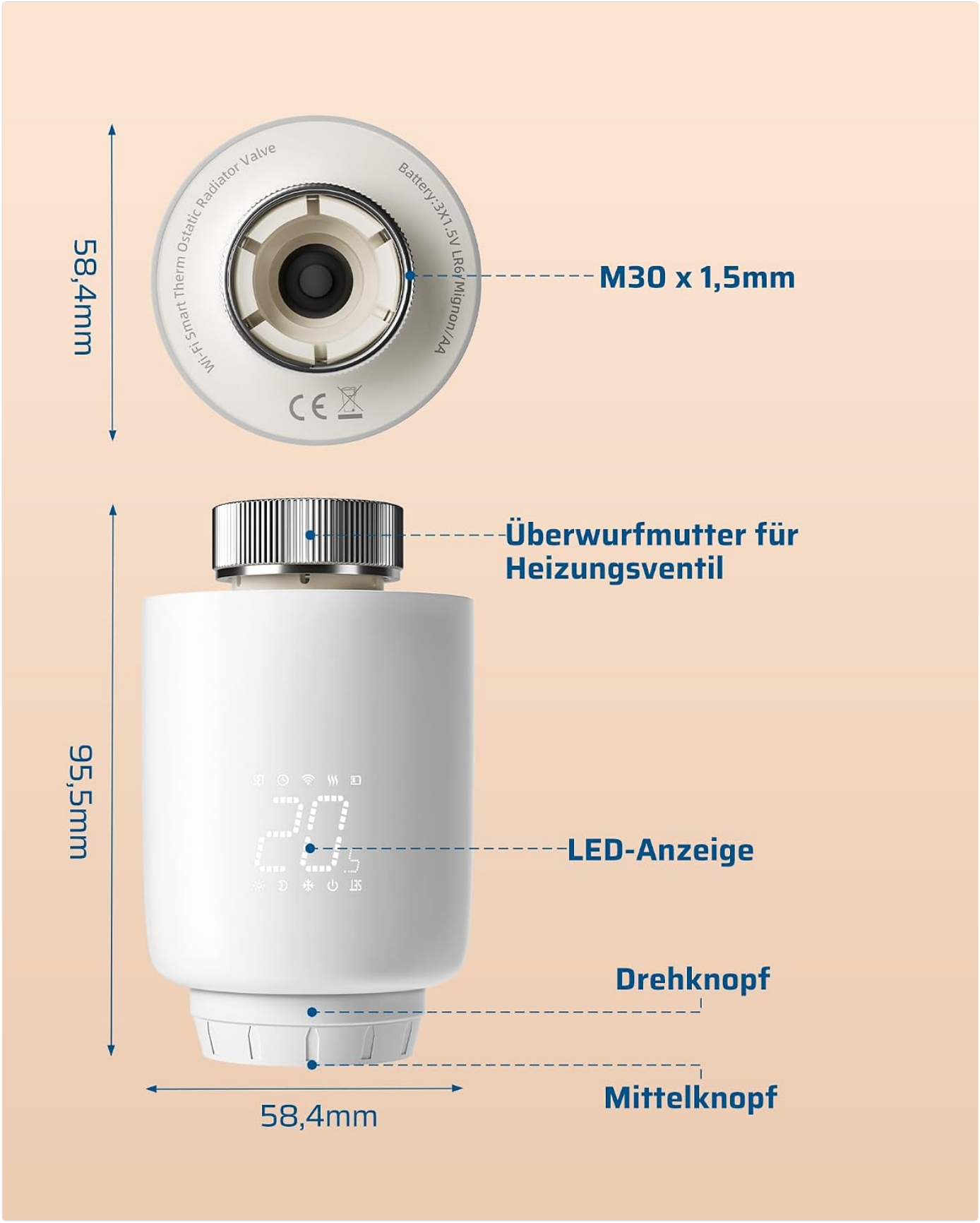


Image 3.2.1: Illustration of the six included adapters (RA, RAV, RAVL, Caleffi, Giacomini, M28) and how to install them on different types of radiator valves to ensure compatibility with the thermostat.

3.3 App Connection (Tuya Smart Life)

1. Download the **Tuya Smart Life** app from your smartphone's app store.
2. Register or log in to your account.
3. Ensure your smartphone is connected to a 2.4 GHz Wi-Fi network.

4. Follow the in-app instructions to add a new device. The thermostat will typically enter pairing mode automatically after battery installation or a reset.
5. Confirm successful pairing within the app.



Image 3.3.1: A user interacting with the Tuya Smart Life app on a smartphone, demonstrating remote control over a DEWENWILS Smart Radiator Thermostat connected to a radiator.

4. Operation

4.1 Remote and Voice Control

Once connected to the Tuya Smart Life app, you can control your thermostat from anywhere. For voice control, link your Tuya Smart Life account with Amazon Alexa or Google Assistant.

- **App Control:** Adjust temperature, change modes, and set schedules directly from the Tuya Smart Life app.
- **Voice Commands:** Use commands like "Alexa, set the living room thermostat to 22 degrees" or "Hey Google, what's the temperature in the bedroom?"



Image 4.1.1: A family in a living room, demonstrating the use of voice commands with an Amazon Alexa device to adjust the temperature of the smart radiator thermostat.

4.2 Programmable Modes

The thermostat offers various modes and programming options to suit your heating needs.

- **Manual Mode:** Set the temperature directly using the thermostat's rotary knob or the app.
- **Automatic Mode:** Follows a pre-set schedule. You can configure up to 6 time windows for each day of the week,

assigning different temperatures or modes (e.g., Comfort, ECO, Anti-frost).

- **Comfort Mode:** Maintains a higher, comfortable temperature.
- **ECO Mode:** Maintains a lower, energy-saving temperature.
- **Anti-frost Mode:** Prevents pipes from freezing by maintaining a minimum temperature (e.g., 5°C).



Image 4.2.1: A smartphone displaying the programming interface of the thermostat app, showing a daily schedule with multiple time slots and corresponding temperature settings or modes.

4.3 Temperature Calibration

Due to the thermostat's proximity to the radiator, the measured temperature may differ from the actual room temperature. You can calibrate the sensor for optimal comfort.

- Access the calibration settings in the Tuya Smart Life app.
- Adjust the temperature offset within a range of -10°C to +10°C to match the actual room temperature.



Image 4.3.1: A smartphone displaying the advanced settings in the thermostat app, highlighting the temperature calibration option with an

adjustable range from -10°C to 10°C.

4.4 Window Detection

The thermostat features an intelligent window detection function to prevent energy waste.

- If the room temperature drops by 1.5°C or more within 5 minutes while heating, the system will detect an open window.
- Heating will automatically pause to conserve energy.
- Heating will resume once the window is closed or after a set period.



Image 4.4.1: An illustration depicting the window open detection feature, where cold air entering through an open window triggers the smart thermostat to automatically stop heating.

5. Maintenance

5.1 Child Lock

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

5.2 Battery Replacement

The thermostat will display a low battery warning when the batteries need replacement. Replace all three 1.5V AA batteries promptly to ensure continuous operation.

5.3 Frost and Limescale Protection

The thermostat includes built-in features to protect your heating system:

- **Frost Protection:** In Anti-frost mode, the thermostat maintains a minimum temperature to prevent pipes from freezing.
- **Limescale Protection:** Periodically, the valve may open and close to prevent limescale buildup, ensuring the longevity of your radiator valve.

6. Troubleshooting

If you encounter issues with your DEWENWILS Smart Radiator Thermostat, please refer to the following common solutions:

- **Device Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4 GHz. The thermostat does not support 5 GHz networks.
  - Check that your Wi-Fi signal is strong enough at the thermostat's location.
  - Restart your Wi-Fi router.
  - Try resetting the thermostat and re-pairing it with the Tuya Smart Life app.
- **Inaccurate Temperature Readings:**
  - Use the temperature calibration feature in the app to adjust the offset.
  - Ensure the thermostat is not directly exposed to drafts or direct sunlight, which can affect readings.
- **Thermostat Not Responding:**
  - Check the battery level in the app or on the device display. Replace batteries if low.
  - Verify that the thermostat is still connected to your Wi-Fi network.
  - Perform a device reset if necessary.
- **Voice Control Issues:**
  - Ensure your Tuya Smart Life account is correctly linked to Amazon Alexa or Google Assistant.
  - Check your internet connection.
  - Verify the device name in the voice assistant app matches the name in the Tuya Smart Life app.

7. Specifications

Feature	Specification
Brand	DEWENWILS
Model Number	bf740ffa-687c-484f-a448-dc85306d65b1
Connectivity Technology	Wi-Fi (2.4 GHz)

Controller Type	Amazon Alexa, Google Assistant
Power Source	Battery (3 x 1.5V AA)
Voltage	4.5 Volts
Special Features	Frost Protection, Programmable
Color	White
Product Use	Heating
Temperature Control Type	Smart/Remote Control
Included Components	3 x 1.5V batteries, 6 x adapters (RA, RAV, RAVL, Caleffi, Giacomini and M28)
Package Dimensions	13.7 x 7.7 x 6.7 cm; 290 g

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official DEWENWILS website. Keep your proof of purchase for warranty claims.

Ask a question about this manual

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

Open the live page

https://manuals.plus/asin/B0DF4VXL1Q

More documents and user manuals: **https://manuals.plus/**