

EZAIoT EZ-R5W.716

EZAIoT Smart WiFi Thermostat User Manual

MODEL: EZ-R5W.716

For Electric Underfloor Heating Systems

1. Introduction

This manual provides detailed instructions for the installation, setup, and operation of your EZAIoT Smart WiFi Thermostat, Model EZ-R5W.716. This thermostat is designed for controlling electric underfloor heating systems, including electric heating cables, films, and mats. It offers intelligent temperature control through its integrated display, mobile application, and voice assistants.

2. Safety Information

- **Electrical Installation:** Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations. Incorrect wiring can lead to electric shock, fire, or damage to the thermostat and heating system.
- **Power Supply:** Ensure the main power supply to the heating system is disconnected before any installation or maintenance work.
- **Voltage:** This thermostat operates on AC 100~240V. Do not connect to battery power.
- **Load Capacity:** Do not exceed the maximum load capacity of 16A.
- **Water Exposure:** Avoid installing the thermostat in areas prone to water exposure or high humidity.

3. Package Contents

Verify that all items are present in the package:

- 1 x EZAIoT Smart WiFi Thermostat
- 1 x User Manual (this document)
- 1 x External Temperature Sensor (NTC 10K, 3m cable)
- 2 x Mounting Screws



This image displays the EZAlot Smart WiFi Thermostat, its external NTC temperature sensor, and a sample heating cable, illustrating the complete product package.

4. Specifications

Feature	Specification
Brand	EZAlot
Model Name	EZ-R5W.716
Color	Black
Dimensions	4.3 x 8.6 x 9 cm
Weight	270 g
Power	1.5 Watts

Voltage	AC 100~240V
Material	Acrylonitrile Butadiene Styrene (ABS)
Specific Use	Electric Baseboard Heater (for underfloor heating)
Temperature Control Type	Heating
Connectivity Technology	WiFi
External Sensor	NTC 10K, 3m

5. Installation

Important: Ensure the main power supply is OFF before proceeding with installation.

5.1 Electrical Wiring

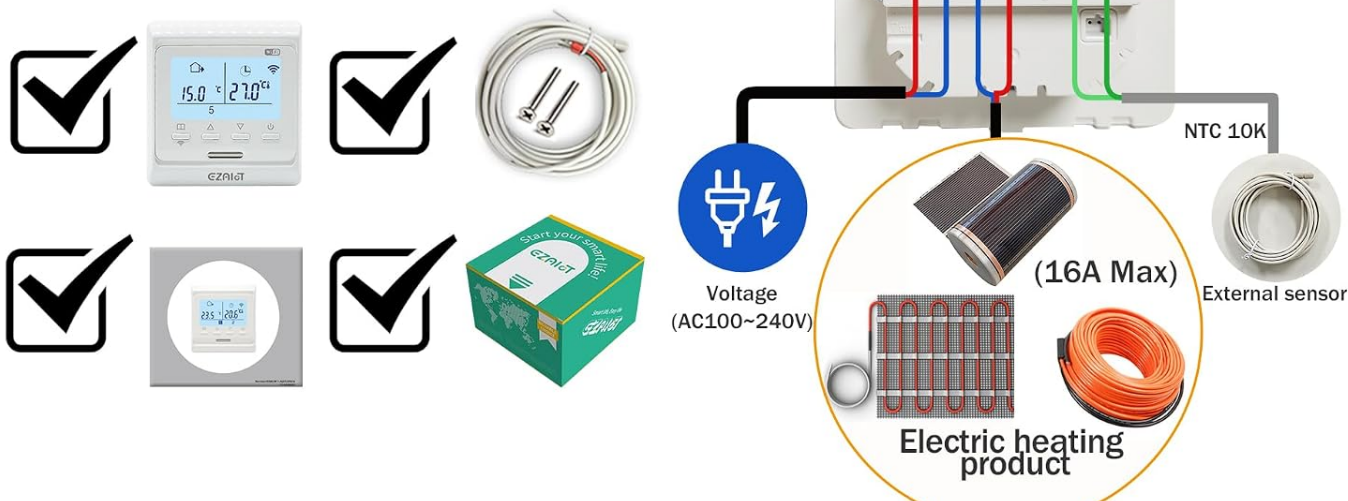
The thermostat requires AC live (L) and neutral (N) wires. It controls electric heating products (max 16A) such as electric heating cables, films, or mats. The external NTC sensor (10K, 3m) is crucial for accurate floor temperature measurement.

- Connect the Live (L) wire from the power supply to the 'L' terminal on the thermostat.
- Connect the Neutral (N) wire from the power supply to the 'N' terminal on the thermostat.
- Connect the Live wire of your electric heating product to the 'Lout' terminal on the thermostat.
- Connect the Neutral wire of your electric heating product to the 'N' terminal (shared with incoming neutral).
- Connect the two wires of the NTC external temperature sensor to the 'NTC1' and 'NTC2' terminals.



Work with **electric floor heating**
(16 A Max, 220V)

Model: EZ-R5W.716

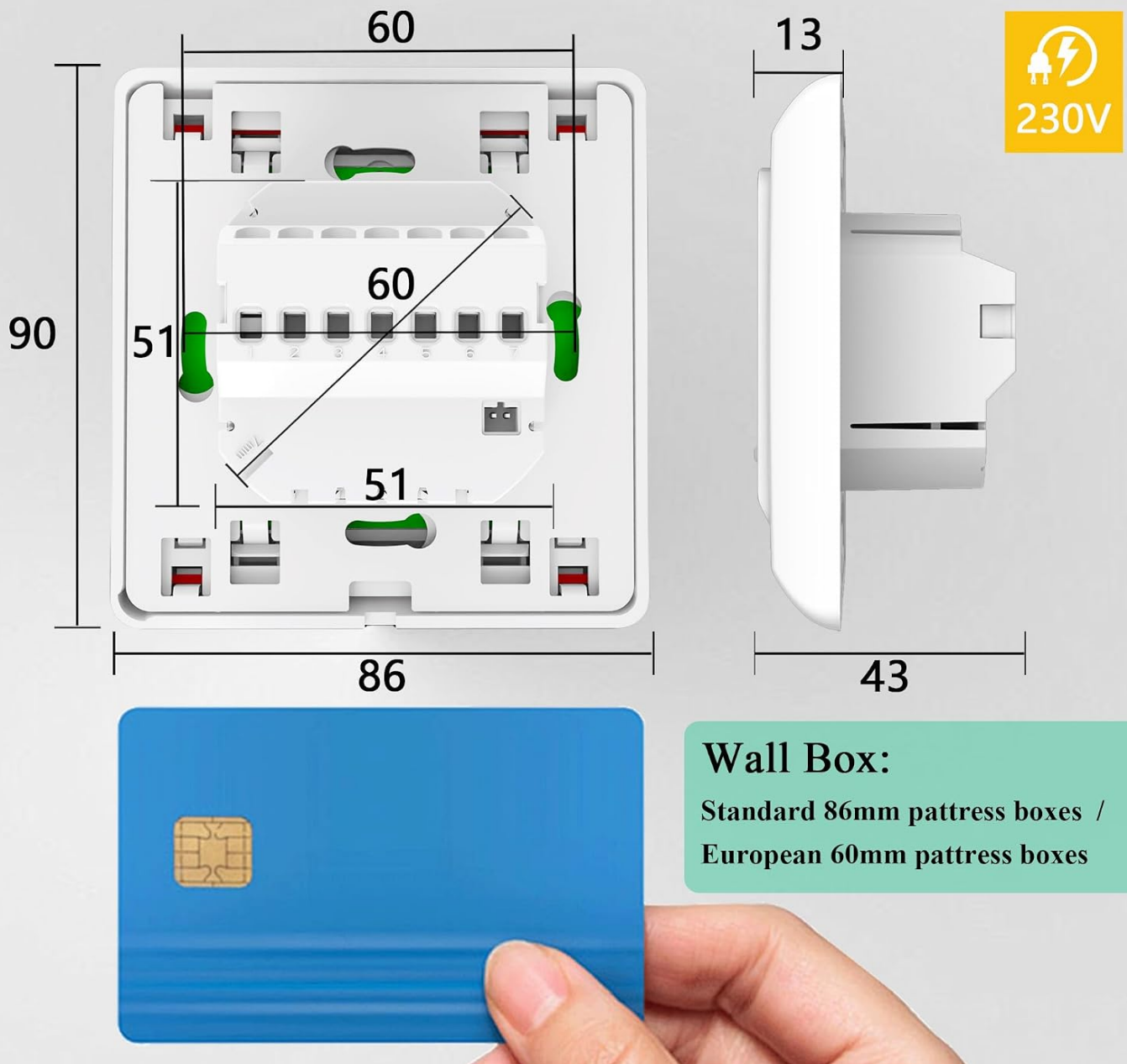


This diagram shows the electrical connections for the EZAIOT thermostat with an electric floor heating system, including live (L), neutral (N), load (Lout), and NTC sensor terminals. It also illustrates the components like the thermostat, external sensor, and heating product.

5.2 Mounting

The thermostat is designed for wall mounting and is compatible with standard 86mm pattress boxes and European 60mm pattress boxes. Ensure the wall box is securely installed before mounting the thermostat.

- Carefully push the wired thermostat into the wall box.
- Secure the thermostat to the wall box using the provided mounting screws.
- Attach the front panel of the thermostat.



A technical drawing illustrating the physical dimensions of the EZAloT Smart WiFi Thermostat (90mm x 86mm x 43mm) and its compatibility with standard 86mm and European 60mm pattress wall boxes.

6. Setup

6.1 Initial Power-on

After successful installation, restore power to the thermostat. The display will light up, indicating it is ready for configuration.

6.2 Wi-Fi Connection and App Pairing

To utilize smart features, connect the thermostat to your home Wi-Fi network and pair it with the 'Smart Life' mobile application.

1. Download the 'Smart Life' app from your smartphone's app store (available for iOS and Android).
2. Register or log in to your 'Smart Life' account.
3. On the thermostat, follow the instructions to enter Wi-Fi pairing mode (usually by pressing and holding a specific

button or combination of buttons until a Wi-Fi icon flashes).

4. In the 'Smart Life' app, tap '+' to add a new device. Select 'Thermostat' or 'Heater' from the device list.
5. Follow the in-app instructions to connect the thermostat to your 2.4GHz Wi-Fi network.
6. Once connected, you can rename the thermostat and control it remotely via the app.

Note: The thermostat can also function normally without a Wi-Fi connection, operating in manual or pre-programmed modes.

7. Operating Modes and Features

EZAIoT®

Smart Home Temperature Control

TN Screen

Weekly Programming

Power off Memory

Accurate Measurement

Frost Protection

APP Control

Voice Control

Manual/Auto Mode

EZ-R5W.723

Versatile Features

Precise Temperature Control

Comfortable Home Heating

An infographic highlighting the versatile features of the EZAIoT Smart Thermostat, such as its TN screen, weekly programming capabilities, power-off memory, accurate measurement, frost protection, app control, voice control, and manual/auto modes.

7.1 Manual Mode

In manual mode, the thermostat maintains a constant temperature set by the user. You can adjust the temperature directly on the thermostat's display using the up/down buttons or via the 'Smart Life' app.

7.2 Weekly Programming Mode

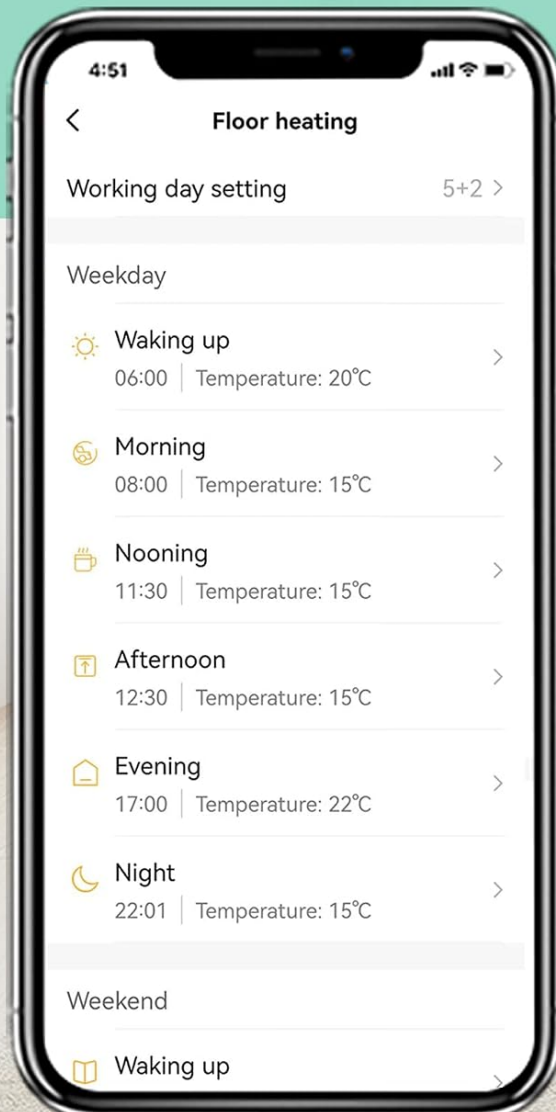
The thermostat supports weekly programming with three modes: 5+2 (weekdays + weekend), 6+1 (individual weekend days), and 7-day unified programming. You can set up to 6 time periods per day with personalized temperature settings for each period.

- Access programming settings through the thermostat menu or the 'Smart Life' app.
- Define start times and desired temperatures for each of the 6 periods (e.g., Waking up, Morning, Nooning, Afternoon, Evening, Night).
- Save your schedule. The thermostat will automatically adjust the temperature according to your program.



Weekly programming

5+2 or 6+1 or 7 days
6 time periods
personalized settings per day



***It also works fine without connecting to WiFi.**

This image shows the 'Smart Life' application interface on a smartphone, demonstrating the weekly programming function for the EZAIOT thermostat, with customizable time periods for different days.

7.3 Voice Control

The EZAIOT thermostat is compatible with Amazon Alexa and Google Assistant, allowing for convenient voice control.

- Ensure your thermostat is connected to the 'Smart Life' app and linked to your Alexa or Google Home account.

- Use commands such as:
 - "Alexa, set the living room thermostat to 22 degrees."
 - "Hey Google, what is the temperature in the bedroom?"
 - "Alexa, turn on the floor heating."



A woman in a kitchen interacting with an Amazon Alexa device to control the EZAlOT Smart Thermostat, demonstrating its voice control capabilities.

7.4 Child Lock

Activate the child lock feature to prevent unauthorized changes to the thermostat settings. This can be enabled via the thermostat's menu or the 'Smart Life' app.

7.5 Frost Protection

This function automatically activates the heating if the ambient temperature drops below a preset minimum (e.g., 5°C) to prevent pipes from freezing. This feature is typically configurable in the advanced settings.

7.6 Power-off Memory

The thermostat retains its settings and programming even after a power outage, ensuring continuous operation without needing to reconfigure.

7.7 Temperature Calibration

If you notice a discrepancy between the thermostat's displayed temperature and an external thermometer, you can calibrate the temperature sensor in the advanced settings.

8. Maintenance

The EZAlOT Smart WiFi Thermostat requires minimal maintenance.

- **Cleaning:** Wipe the thermostat's display and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the wiring connections for any signs of loosening or damage. Ensure the external sensor is properly positioned and undamaged.

9. Troubleshooting

If you encounter issues with your EZAlOT Smart WiFi Thermostat, refer to the following common problems and solutions:

- **Thermostat not powering on:** Check the main power supply and ensure all wiring connections are secure and correct.
- **No heating:** Verify that the thermostat is in heating mode, the set temperature is above the current room temperature, and the heating system itself is operational. Check wiring to the heating product.
- **Wi-Fi connection issues:** Ensure your Wi-Fi router is working and broadcasting a 2.4GHz network. Restart the thermostat and attempt the pairing process again. Check if the Wi-Fi signal strength is adequate at the thermostat's location.
- **Inaccurate temperature reading:** Check if the external NTC sensor is properly connected and positioned. Calibrate the temperature if necessary via the thermostat's settings.
- **App control not working:** Ensure your smartphone has an active internet connection. Log out and log back into the 'Smart Life' app. Check if the thermostat is still connected to Wi-Fi.

For persistent issues, contact EZAIoT customer support.

10. Warranty and Support

EZAIoT products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or contact EZAIoT customer service for specific warranty terms and conditions.

For technical assistance, troubleshooting, or warranty claims, please contact EZAIoT customer support through the contact information provided on our official website or within the 'Smart Life' application.

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.

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