

EZAIoT EZ-R8C.723

EZAIoT Smart WiFi Thermostat User Manual

Model: EZ-R8C.723

1. INTRODUCTION

Thank you for choosing the EZAIoT Smart WiFi Thermostat. This device is designed to provide precise and efficient control over your home's water boiler heating system. Featuring advanced weekly programming, remote control via the TUYA Smart Life app, and voice command compatibility with Alexa and Google Assistant, this thermostat offers a convenient and energy-saving solution for maintaining your desired indoor climate. Its clear IPS screen and intuitive interface ensure ease of use for all users.

2. PRODUCT FEATURES

- **High-Performance Wi-Fi Connectivity:** Equipped with a high-performance chip for efficient remote control via the TUYA Smart Life app and voice control through Alexa and Google Assistant.
- **Clear IPS Display & Tactile Buttons:** Features a super clear IPS color screen with a wide 178° viewing angle. Sensitive capacitive touch buttons and an automotive-grade knob ensure easy and comfortable interaction.
- **Rich On-Screen Information:** Integrated with a high-sensitivity temperature and humidity sensor, capable of displaying 38 weather conditions, indoor/outdoor temperature, and humidity levels.
- **Energy-Saving Weekly Programming:** Offers three weekly programming modes (5+2, 6+1, 7 days) with up to 6 heating periods per day, allowing for flexible and energy-efficient heating schedules.
- **Multifunctional & User-Friendly:** Multi-level menu page available in 7 languages (English, German, Italian, French, Spanish, Russian, and Chinese) for intuitive operation.

3. PACKAGE CONTENTS

Upon opening your EZAIoT Smart WiFi Thermostat package, you should find the following items:

- 1 x EZAIoT Smart WiFi Thermostat

- 2 x Mounting Screws
- 1 x User Manual (available in 5 languages)

4. SPECIFICATIONS

Feature	Specification
Brand	EZAIoT
Model Number	EZ-R8C.723
Color	Water heating/boiler
Product Dimensions (L x W x H)	4.4 x 8.6 x 8.6 cm
Weight	173.99 grams
Power	1.8 Watts
Voltage	230 Volts (AC)
Style	Smart, Wifi
Backlight	Yes

5. SAFETY INFORMATION

Please read this section carefully before installation and operation to ensure safe and proper use of your thermostat.

- **Electrical Safety:** Installation should only be performed by a qualified electrician or service technician. Ensure the main power supply is turned off before commencing any wiring work.
- **Voltage:** This thermostat operates on 230V AC. Do not connect it to voltages outside this range.
- **Wiring:** Follow the wiring diagram precisely. Incorrect wiring can cause damage to the thermostat, heating system, or pose an electrical hazard. Avoid connecting live wires directly to terminals not designated for them (e.g., PC1 and PC2) to prevent short circuits.
- **Environment:** Do not install the thermostat in areas with excessive moisture, direct sunlight, or extreme temperatures.
- **Compatibility:** This thermostat is designed for water-based heating systems (gas/combi boilers, water floor heating). It is NOT compatible with electric heating systems.

6. INSTALLATION AND SETUP

6.1 Product Dimensions

Before installation, verify the dimensions to ensure proper fitting.

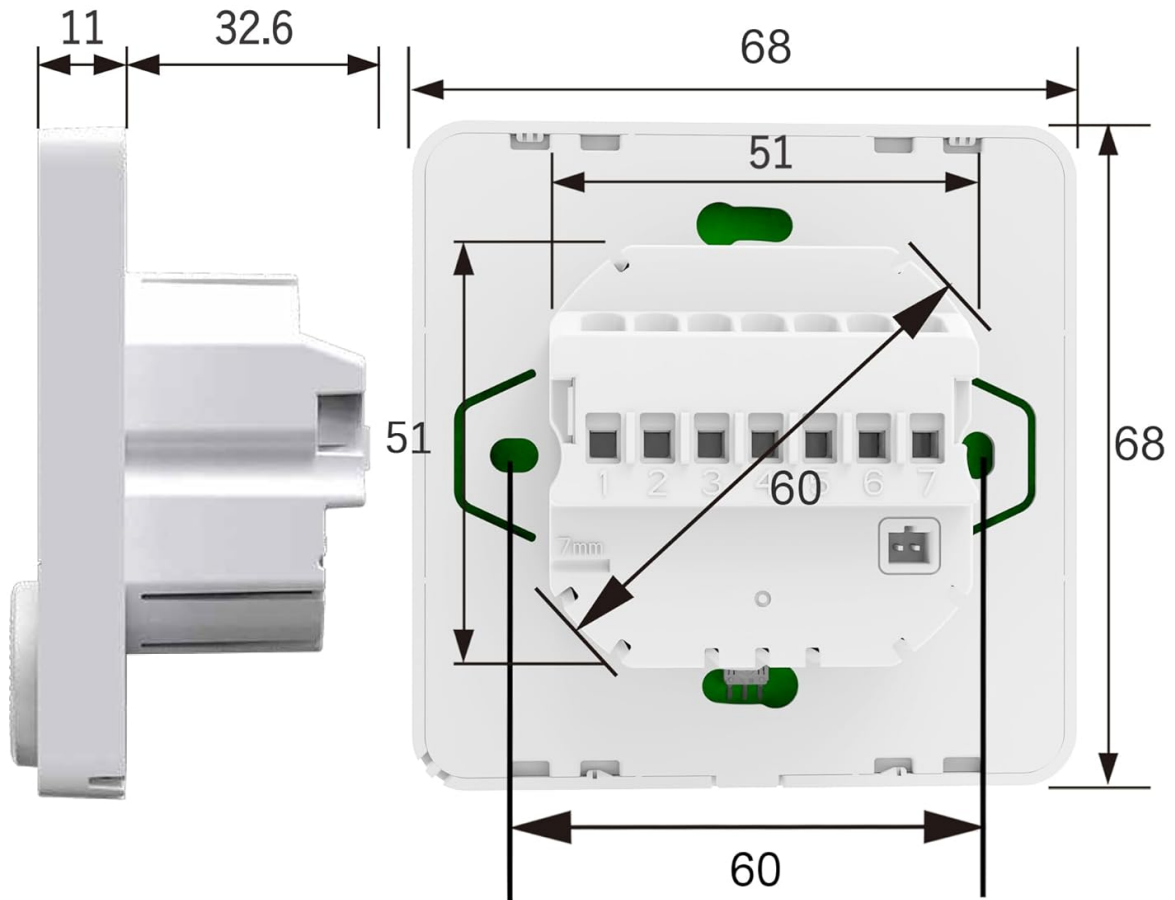


Image 1: Product Dimensions. This diagram provides precise measurements of the EZALoT Smart WiFi Thermostat in millimeters. It includes a side profile view showing a depth of 32.6mm and a front view indicating a width and height of 68mm for the mounting plate, with internal component dimensions of 51mm by 60mm. These dimensions are crucial for proper installation and fitting into standard electrical boxes.

6.2 Wiring Diagram

Follow this diagram carefully for correct electrical connections. Ensure power is OFF before wiring.



Image 2: Wiring Diagram. This detailed diagram illustrates the wiring connections for the EZAIOT Smart WiFi Thermostat. It shows connections for Live (L) and Neutral (N) wires (AC100~240V), and terminals for controlling boilers via a passive switch. Connections for Normally Open (NO) and Normally Closed (NC) electrothermal actuators are depicted, along with a 3-wire connection for an electrical ball valve. A critical warning advises against connecting live wires directly to 'PC1' and 'PC2' terminals to prevent short circuits, emphasizing the importance of correct installation.

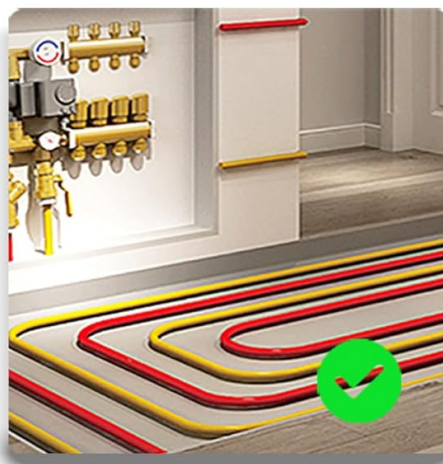
Wiring Instructions:

1. Turn off the main power supply to your heating system.
2. Connect the Live Wire (L) and Neutral Wire (N) from your power supply to the corresponding terminals on the thermostat.
3. For boiler control, connect the appropriate wires from your boiler to the 'NO' (Normally Open) and 'COM' (Common) terminals for a passive switch setup. If your system requires 'NC' (Normally Closed), use the 'NC' and 'COM' terminals.
4. If using an electrothermal actuator, connect it according to its specific wiring requirements, typically utilizing the NO/NC terminals.
5. For a 3-wire electrical ball valve, follow the specific wiring instructions provided with the valve and connect to the designated terminals.
6. **CAUTION:** Do not connect live wires directly to the 'PC1' and 'PC2' terminals. This can cause a short circuit and damage the device.

6.3 Compatibility

Ensure your heating system is compatible with this thermostat.

Gas/combi boilers Heating System EZAlOT®



(On/Off) Thermostats work with **water-based Floor heating**.

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Not compatible with electric heating system.

Image 3: System Compatibility. This image clarifies the compatibility of the EZAlOT Smart WiFi Thermostat (Model EZ-R8C.723). It shows the thermostat working with gas/combi boilers and water-based floor heating systems, indicated by green checkmarks. Crucially, it also shows a red 'X' over an electric heating system, signifying that this thermostat is not designed for or compatible with electric floor heating or similar electric heating solutions.

- Compatible with gas/combi boilers.
- Compatible with water-based floor heating systems.
- **NOT compatible with electric heating systems.**

7. OPERATION

7.1 Main Display Overview

The thermostat's main screen provides real-time information and easy access to settings.



Image 4: Main Display and App Interface. This image displays the EZAlOT Smart WiFi Thermostat's main screen, showing the current room temperature, humidity, and weather conditions. Adjacent to it is a smartphone screen illustrating the mobile application interface, which allows for weekly programming of heating schedules, including specific times for waking up, morning, noon, afternoon, evening, and night, with corresponding temperature settings.

The main display typically shows:

- Current Room Temperature
- Target Temperature
- Room Humidity
- Date and Time
- Weather Conditions (if connected to Wi-Fi and location services)
- Operating Mode (e.g., Auto, Manual)
- Wi-Fi Connection Status

7.2 Navigating the Multifunction Menu

Access various settings and features through the intuitive menu system.



Image 5: Multifunction Menu. This image displays the intuitive multifunction menu of the EZAIoT Smart WiFi Thermostat. The screen presents various icons representing features such as Wi-Fi settings, automatic mode, cloud services, engineer mode, system settings, and navigation options. On the left, a list of functions includes Room Humidity, Outdoor Humidity, Target Temperature, Room Heating, App Control, Key Control, Frost Protection, Key Lock, Date & Time, Power-loss Memory, Local Weather, and Wi-Fi, highlighting the device's comprehensive capabilities.

Use the touch buttons and the rotary knob to navigate:

- **Rotary Knob:** Turn to adjust temperature or scroll through menu options. Press to confirm selections.
- **'M' Button:** Access the main menu or switch between operating modes.
- **'Home' Button:** Return to the main display.
- **'Back' Button:** Go back to the previous menu screen.
- **'Enter' Button:** Confirm a selection or enter a submenu.

8. PROGRAMMING

The EZAIoT thermostat offers flexible weekly programming to optimize energy consumption and comfort.

- **Programming Modes:** Choose from 5+2 (weekdays + weekend), 6+1 (individual Saturday + Sunday), or 7-day (each day individually) programming.

- **Heating Periods:** Set up to 6 distinct heating periods per day, each with its own start time and target temperature. This allows you to match your heating schedule to your daily routine.
- **Accessing Programming:** Navigate to the 'Programming' or 'Schedule' option within the main menu using the 'M' button and rotary knob.
- **Setting Periods:** For each period, set the desired start time and temperature. The thermostat will automatically adjust the heating to maintain these settings.

9. APP CONTROL AND VOICE COMMANDS

Enhance your control and convenience by connecting your thermostat to the TUYA Smart Life app and integrating with voice assistants.

9.1 TUYA Smart Life App

1. Download the 'TUYA Smart Life' app from your smartphone's app store (iOS or Android).
2. Register or log in to your account.
3. On the thermostat, navigate to the Wi-Fi settings to put it into pairing mode (refer to the on-screen instructions or the specific manual section for Wi-Fi setup).
4. In the app, tap '+' to add a new device, then select 'Thermostat' or 'Heater' from the device list.
5. Follow the in-app instructions to connect the thermostat to your home Wi-Fi network.
6. Once connected, you can remotely monitor temperature, adjust settings, create schedules, and manage other features from anywhere.

9.2 Voice Assistant Integration (Alexa & Google Assistant)

1. Ensure your thermostat is successfully connected to the TUYA Smart Life app.
2. Open your Amazon Alexa or Google Home app.
3. Enable the 'Smart Life' skill/service within the voice assistant app.
4. Link your Smart Life account to your Alexa/Google account.
5. Discover devices. Your EZALoT thermostat should appear.
6. You can now use voice commands such as:
 - "Alexa, set the thermostat to 22 degrees."
 - "Hey Google, what is the temperature in the living room?"
 - "Alexa, turn on the heating."

10. MAINTENANCE

To ensure optimal performance and longevity of your EZALoT Smart WiFi Thermostat, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the screen and exterior with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the display and casing.
- **Avoid Obstructions:** Ensure that the thermostat's vents (if any) are not blocked by furniture, curtains, or other objects, as this can affect its temperature sensing accuracy.
- **Software Updates:** Periodically check the TUYA Smart Life app for any available firmware updates for your thermostat. Keeping the software updated ensures you have the latest features and bug fixes.

11. TROUBLESHOOTING

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

- **Thermostat Not Turning On:**

- Check if the main power supply to your heating system is on.
- Verify that the thermostat is correctly wired to the Live (L) and Neutral (N) terminals.

- **Heating System Not Responding:**

- Ensure the thermostat is set to a temperature higher than the current room temperature.
- Check the wiring connections to your boiler (NO/NC/COM terminals) for secure contact.
- Confirm that the thermostat's operating mode is set correctly (e.g., Auto or Manual heating mode).

- **Wi-Fi Disconnection:**

- Verify your home Wi-Fi network is active and working correctly.
- Ensure the thermostat is within range of your Wi-Fi router.
- Try restarting your Wi-Fi router and then re-pairing the thermostat with the Smart Life app.

- **Inaccurate Temperature Readings:**

- Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources (e.g., lamps, appliances) that could affect its internal sensor.
- Check for any obstructions around the thermostat that might block airflow to the sensor.

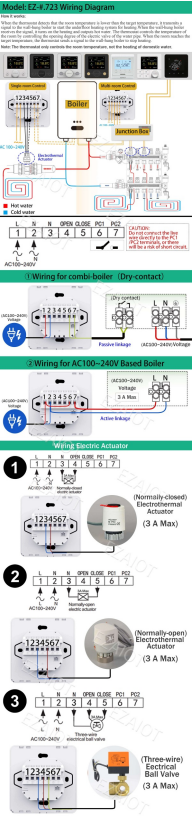

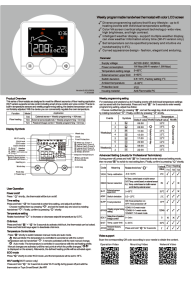
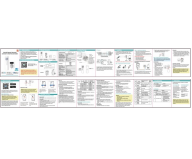

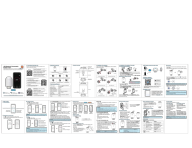
- **App Control Not Working:**

- Confirm your smartphone has an active internet connection.
- Ensure the thermostat is connected to Wi-Fi and shows online status in the Smart Life app.
- Log out and back into the Smart Life app.

If these steps do not resolve your issue, please contact customer support for further assistance.

12. SUPPORT

For additional instructions, technical assistance, or any questions regarding your EZALoT Smart WiFi Thermostat, please refer to the contact information provided in your product packaging or visit the official EZALoT support website.

	<p>EZAIoT IPS Wired Smart Thermostat - Installation and User Guide</p> <p>Comprehensive installation and user guide for the EZAIoT IPS Wired Smart Thermostat. Learn how to set up your Wi-Fi enabled thermostat for floor heating and gas boilers, featuring weather and humidity monitoring, programmable schedules, and voice control compatibility with Alexa and Google Assistant.</p>
	<p>EZAIoT IPS Smart Thermostat User Manual and Specifications</p> <p>Comprehensive guide for the EZAIoT IPS Smart Thermostat, covering features, operation, Wi-Fi setup, scheduling, and technical specifications. Compatible with Alexa and Google Assistant.</p>
	<p>EZAIOT R7W Series Programmable Handwheel Thermostat User Manual</p> <p>Comprehensive user manual and technical specifications for the EZAIOT R7W series programmable handwheel thermostats. Covers installation, wiring, user operation, advanced settings, and model details for floor heating, water heating, and gas boiler systems.</p>
	<p>EZAIOT RF433 Wireless Thermostat User Manual</p> <p>Comprehensive user manual for the EZAIOT RF433 Wireless Thermostat, a smart WiFi-enabled temperature controller for water and gas boilers. It offers compatibility with Alexa and Google Home, detailing installation, setup, usage, troubleshooting, and technical specifications.</p>
	<p>EZAIOT RF433 Wireless Smart Thermostat for Wall-Mounted Boilers - User Manual</p> <p>Explore the EZAIOT RF433 Wireless Smart Thermostat for Wall-Mounted Boilers. This guide provides installation, setup, and operational details for efficient home heating control, compatible with Alexa and Google Home.</p>
	<p>EZAIOT LED Bluetooth Thermostatic Radiator Valve User Manual</p> <p>Comprehensive user manual for the EZAIOT LED Bluetooth Thermostatic Radiator Valve. This guide covers installation, app control using the Smart Life app, voice integration with Amazon Alexa and Google Assistant, detailed features, technical specifications, and troubleshooting. It provides step-by-step instructions for setup and operation.</p>

