

Qiumi QM-T5Z-01

Qiumi Zigbee Thermostat QM-T5Z-01 User Manual

For Gas/Water Boiler Systems with Alexa and Google Home Compatibility

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Qiumi Zigbee Thermostat, Model QM-T5Z-01. This battery-powered smart thermostat is designed to control gas and water boiler systems, offering convenient temperature management through its physical buttons, a mobile application, and voice commands via Alexa and Google Home. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The Qiumi Zigbee Thermostat is a smart device engineered for efficient home heating control. It features a clear LCD display, intuitive physical buttons, and advanced connectivity options.

2.1 Key Features

- **Zigbee Wireless Connectivity:** Requires a Tuya Zigbee wireless gateway for smart functions.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **Remote Control:** Manage your home's temperature from anywhere using the Tuya / Smart Life mobile application.
- **Battery Powered:** Operates on 2x 1.5V AA batteries, suitable for installations without direct AC power.
- **High Precision Sensors:** Ensures accurate temperature measurement and control for optimal comfort.
- **Dry Contact Output:** Designed for boiler control with a dry contact signal, supporting up to 5A maximum load current.
- **Clear LCD Display:** A 1.8-inch TN LCD screen with backlight, which can be turned off to avoid disturbance.
- **Child Lock Function:** Prevents unauthorized changes to settings.

2.2 Product Components



Image 1: Front view of the Qiumi Zigbee Thermostat, showing the LCD display and control buttons.

The thermostat unit includes a main body with an LCD screen, five physical control buttons (+, -, Power, Mode, Clock), and a battery compartment on the rear. It is designed for wall mounting.



Image 2: Rear view of the Qiumi Zigbee Thermostat with the battery cover removed, showing two AA batteries installed.

The thermostat is powered by two 1.5V AA batteries, which are not included. The battery compartment is easily accessible for replacement.

3. SPECIFICATIONS

Specification	Value
Model Number	QM-T5Z-01
Power Supply	2 x 1.5V AA Batteries (not included)
Power Consumption	1W max (Wi-Fi 3W max)
Setting Temperature Range	5 ~ 95 °C
Floor Limited Range	20 ~ 90 °C
On/Off Deviation	0.5 ~ 10 °C (Factory setting ± 1 °C)

Ambient Temperature	-5 ~ 50 °C
Protection Level	IP20
Shell Material	Anti-flammable PC
Display Size	1.8 Inches
Connectivity Technology	Zigbee (requires gateway)
Control Type	Button, App, Voice (Alexa, Google Home)

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your thermostat. It is recommended that installation be performed by a qualified professional.

4.1 Battery Installation

1. Gently remove the front panel of the thermostat to access the battery compartment.
2. Insert two 1.5V AA batteries, ensuring correct polarity (+/-).
3. Replace the front panel securely.

Powered by batteries



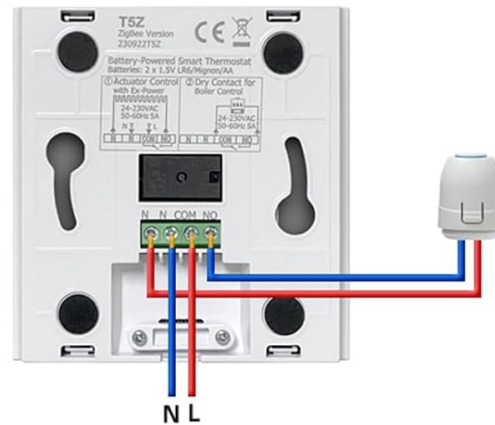
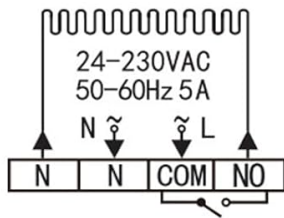
Image 3: Illustration of how to install two 1.5V AA batteries into the thermostat's rear compartment.

4.2 Wiring Diagrams

The thermostat is designed for use with valve actuators or water/gas boilers. Ensure the power supply is disconnected before performing any wiring.

Installation instructions

Actuator Control with Ex-Power



Dry Contact for Boiler Control

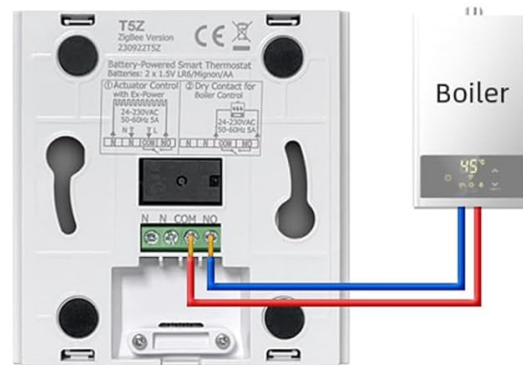
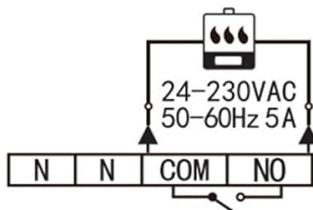


Image 4: Detailed wiring diagrams for connecting the thermostat to an actuator (top) and for dry contact boiler control (bottom).

4.2.1 Actuator Control Wiring

For actuator control, connect the N (Neutral) and L (Live) terminals to the 24-230VAC 50-60Hz power supply. Connect the COM (Common) and NO (Normally Open) terminals to your valve actuator. Refer to the diagram for precise connections.

4.2.2 Dry Contact for Boiler Control Wiring

For dry contact boiler control, connect the N (Neutral) and L (Live) terminals to the 24-230VAC 50-60Hz power supply. Connect the COM (Common) and NO (Normally Open) terminals to the boiler's dry contact input. This configuration allows the thermostat to switch the boiler on or off. Refer to the diagram for precise connections.

4.3 Zigbee Gateway Connection

This thermostat requires a Tuya Zigbee wireless gateway to enable smart features like app control and voice commands. Ensure your Zigbee gateway is set up and connected to your home Wi-Fi network.

ZigBee Thermostat



Need to be paired with Zigbee gateway

Image 5: This diagram illustrates the network setup: your WiFi router connects to the Zigbee gateway, which then communicates wirelessly with the Qiumi Zigbee Thermostat.

1. Power on your thermostat and ensure it is in pairing mode (refer to the thermostat's display for pairing indicators, typically a flashing Wi-Fi or Zigbee icon).
2. Open the Tuya / Smart Life app on your smartphone.
3. Add a new device and select the Zigbee Thermostat from the list.
4. Follow the in-app instructions to complete the pairing process with your Zigbee gateway.

5. OPERATION

The Qiumi Zigbee Thermostat offers multiple ways to control your home's heating system.

5.1 Basic Button Functions

The thermostat features five physical buttons for direct control:

- **'+' Button:** Increases the set temperature or navigates menu options.
- **'-' Button:** Decreases the set temperature or navigates menu options.
- **Power Button:** Turns the thermostat on/off.

- **'M' (Mode) Button:** Switches between different operating modes (e.g., manual, automatic, programmable).
- **Clock Button:** Accesses time and schedule settings.

5.2 Screen Display

The 1.8-inch LCD screen provides real-time information about the current temperature, set temperature, operating mode, and connectivity status. The backlight can be adjusted or turned off to prevent disturbance, especially during sleep, while maintaining display clarity.

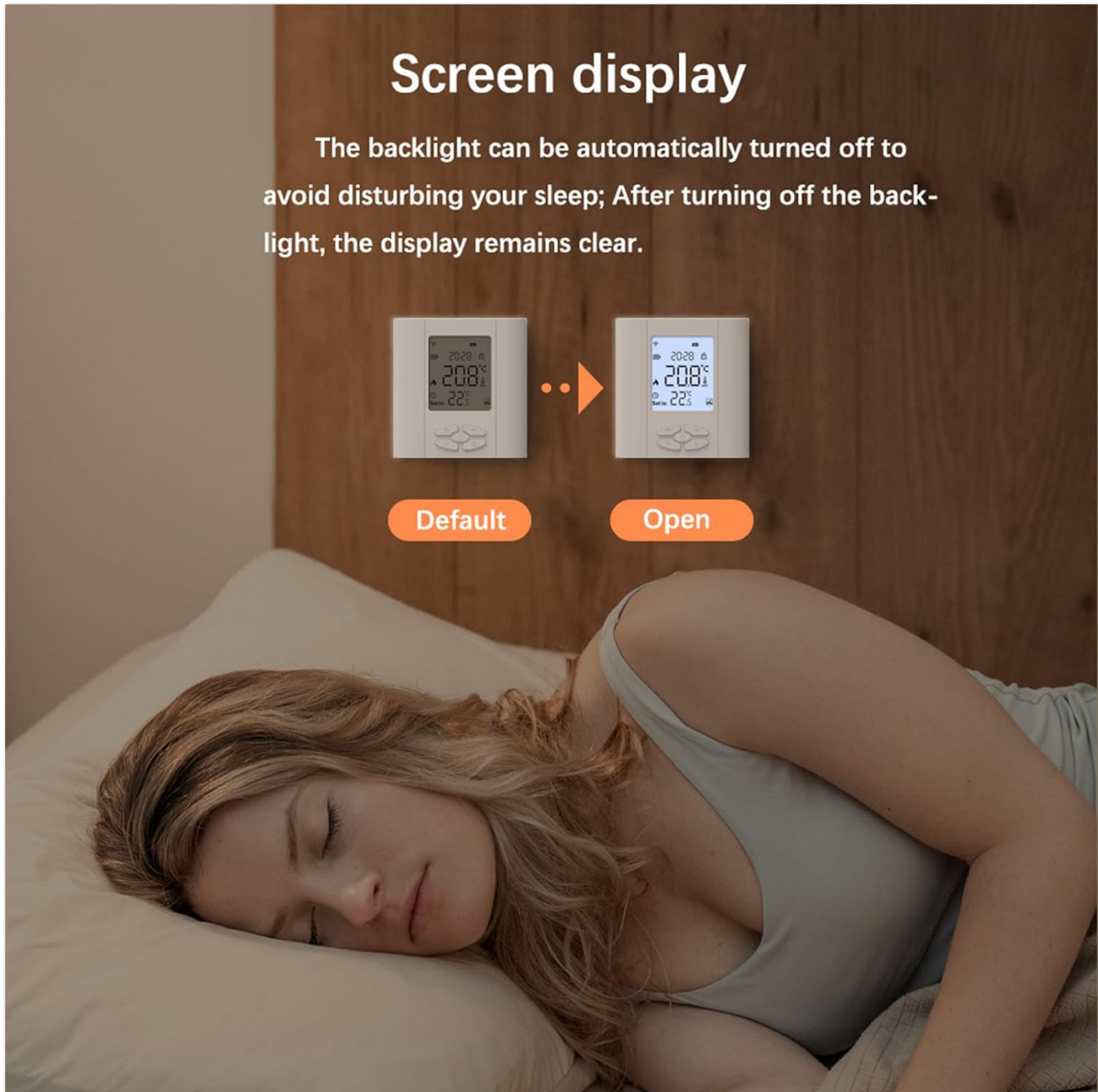


Image 6: Comparison of the thermostat's screen display with the backlight on (default) and with the backlight turned off, demonstrating continued readability.

5.3 Mobile App Control (Tuya / Smart Life)

Once paired with your Zigbee gateway, you can control the thermostat remotely using the Tuya or Smart Life application on your smartphone (Android or iOS).

- Adjust temperature settings.
- Change operating modes.

- Set up weekly programming schedules.
- Monitor current room temperature.

5.4 Voice Control (Alexa / Google Home)

Integrate your thermostat with Amazon Alexa or Google Home for convenient voice-activated control. After linking your Tuya/Smart Life account to your voice assistant, you can use commands such as:

- "Alexa, set the thermostat to 22 degrees."
- "Hey Google, what's the temperature in the living room?"
- "Alexa, turn on the heating."

Battery-Powered Smart Thermostat
Excellent assistant to your smart life temperature

Powered by **tuya**

zigbee

WORKS WITH Smart Life APP

Работает с Алисой

WORKS WITH Amazon Alexa

WORKS WITH Google Assistant

Image 7: The thermostat is shown with logos indicating compatibility with Tuya, Zigbee, Smart Life App, Amazon Alexa, and Google Assistant for comprehensive smart home integration.

5.5 Home Sharing Function

The thermostat supports a home sharing function, allowing multiple family members to control the device

through their respective mobile applications. This feature enables collaborative management of your smart home environment.



Image 8: This image depicts the home sharing feature, where multiple family members can control the thermostat using their individual smartphones, fostering a shared smart home experience.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your thermostat.

- **Cleaning:** Wipe the thermostat's surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace the AA batteries when the low battery indicator appears on the display. Always use new, high-quality alkaline batteries.
- **Firmware Updates:** Periodically check the Tuya / Smart Life app for available firmware updates to ensure your thermostat has the latest features and security enhancements.

7. TROUBLESHOOTING

If you encounter issues with your Qiumi Zigbee Thermostat, refer to the following common problems and

solutions:

- **Thermostat not powering on:** Check if the batteries are correctly inserted and fully charged. Replace if necessary.
- **No connection to Zigbee gateway:** Ensure the gateway is powered on and connected to your Wi-Fi. Re-initiate the pairing process in the Tuya / Smart Life app.
- **Inaccurate temperature readings:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its sensor.
- **Boiler not responding:** Verify the wiring connections to the boiler. Check the thermostat's operating mode and set temperature. Ensure the boiler itself is functioning correctly.
- **Voice control not working:** Confirm that your Tuya / Smart Life account is correctly linked to Alexa or Google Home. Check your internet connection and voice assistant device status.
- **Display backlight issues:** Check settings within the thermostat or app to ensure the backlight is enabled or set to your preferred duration.

If problems persist, consult the Tuya / Smart Life app's help section or contact Qiumi customer support.

8. SAFETY INFORMATION

- Always disconnect power before performing any wiring or installation procedures.
- Do not expose the thermostat to water or excessive humidity.
- Keep the device away from direct heat sources or open flames.
- Ensure proper ventilation around the thermostat.
- Do not attempt to disassemble or repair the thermostat yourself. Contact qualified personnel for service.
- Dispose of used batteries according to local regulations.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Qiumi website. Support is typically available through the brand's customer service channels for technical assistance and troubleshooting beyond this manual.