




Moes ZigBee 002 Series Thermostat User Manual

[Home](#) » [MOES](#) » Moes ZigBee 002 Series Thermostat User Manual 

Contents

- [1 Moes ZigBee 002 Series Thermostat](#)
- [2 Product information](#)
- [3 Product Usage Instructions](#)
- [4 Packaging](#)
- [5 Introducing the Thermostat](#)
- [6 Features](#)
- [7 Diagram](#)
- [8 Specifications](#)
- [9 Before Wiring and Installing](#)
- [10 Wiring Instructions](#)
- [11 Installation Instructions](#)
- [12 Home Screen Guide](#)
- [13 Thermostat Control](#)
- [14 Getting Ready for Use](#)
- [15 ZigBee Connection](#)
- [16 Description of App User Interface](#)
- [17 Troubleshooting Guide](#)
- [18 Warranty Condition](#)
- [19 EU Declaration of Conformity](#)
- [20 Documents / Resources](#)
 - [20.1 References](#)
- [21 Related Posts](#)



Moes ZigBee 002 Series Thermostat



Product information

Specifications

- Power supply: AC 110-240V
- Current Load: 16A
- Sensor Accuracy: +/- 0.5°C
- Set Temperature Range: 5°C – 35°C
- Display Temperature Range: 0°C – 40°C
- Ambient Temperature: 0°C – 40°C
- Ambient Humidity: 20% – 90%
- Storage Temperature: -10°C – 60°C
- Power Consumption: <1W
- Timing Error: <1%
- Shell material: plastic
- Installation Box: Standard electrical pattress box
- Wire terminals: RED, WHITE, Modbus
- Protection class: IP20
- Buttons: Power, Up, Down

Product Usage Instructions

Before Wiring and Installing

1. Carefully read and understand these instructions. Failure to adhere to them may result in product damage or hazardous conditions.
2. Verify that the product ratings mentioned in the instructions and on the device are suitable for your specific application.
3. Installation should be carried out by a trained and experienced service technician.
4. Once installation is complete, thoroughly test the product's operation following the instructions provided.
CAUTION: There is a risk of electrical shock or equipment damage. This can affect individuals or cause a short circuit in the equipment. Always disconnect the power supply before installation.

Wiring instructions

Note: Refer to the wiring diagram below for specific wiring instructions.

Installation instructions

1. Ensure the power is turned off.
2. Slide the LCD assembly downwards to detach the mounting plate.
3. Connect the power supply and load to the designated terminals.
4. Securely affix the mounting plate to the wall using screws within the pattern box.
5. Attach the thermostat body to the mounting plate by rotating it.
6. The installation is now complete.

Home Screen Guide

- Heating on
- Week Period
- Time Timing On and Off
- Lock Network
- Floor temperature
- Set temperature
- Energy saving
- Programmable manual mode
- Clock Power Up Down

Thermostat Control During Power On

1. Power Control: Press to switch the thermostat on or off.
2. Manual & Programmable Modes: Touch to toggle between manual mode and programmable mode.
3. Setting the Temperature: In programmable mode, time and set-point adjustments are disabled. To modify, switch to manual mode or programmable settings. In manual mode, press the Up or Down buttons to adjust the set temperature.

FAQ

- Q: How do I switch between manual mode and programmable mode?
A: Touch the Manual & Programmable Modes button on the thermostat control screen.
- Q: Can I adjust the set temperature in programmable mode?
A: No, in programmable mode, time and set-point adjustments are disabled. To modify the set temperature, switch to manual mode or programmable settings.
- Q: What is the power supply for this thermostat?
A: The thermostat requires an AC power supply of 110-240V.
- Q: How accurate is the sensor?
A: The sensor has an accuracy of +/- 0.5°C.
- Q: What is the temperature range for setting and displaying?
A: The thermostat allows for a set temperature range of 5°C – 35°C and displays temperatures within the range of 0°C – 40°C.
- Q: Can I install this thermostat myself?
A: Installation should be carried out by a trained and experienced service technician to ensure proper installation and avoid any risks of electrical shock or equipment damage.

Dear customer,

Thank you for purchasing our product. Please read the following instructions carefully before first use and keep this user manual for future reference. Pay particular attention to the safety instructions. If you have any questions or comments about the device, please contact the customer line.

- www.alza.co.uk/kontakt
- ☎ +44 (0)203 514 4411
- Importer Alza.cz a.s., Jankovcova 1522/53, Holešovice, 170 00 Praha 7, www.alza.cz

Packaging

- 1× Thermostat
- 1× User's Guide
- 2× Screws
- 1× Floor Sensor (Optional; 2,5 meters)

Introducing the Thermostat

The 002 series range is designed to regulate electric underfloor heating, water heating, or water/gas boiler systems. These units are specifically crafted for applications in commercial, industrial, civil, and domestic properties.

Please take note of the following:

- GA is designated for water heating purposes.
- GB is intended for electric heating systems.
- GC is tailored for water/gas boiler configurations.
- The use of NTC and Modbus is optional.

Features

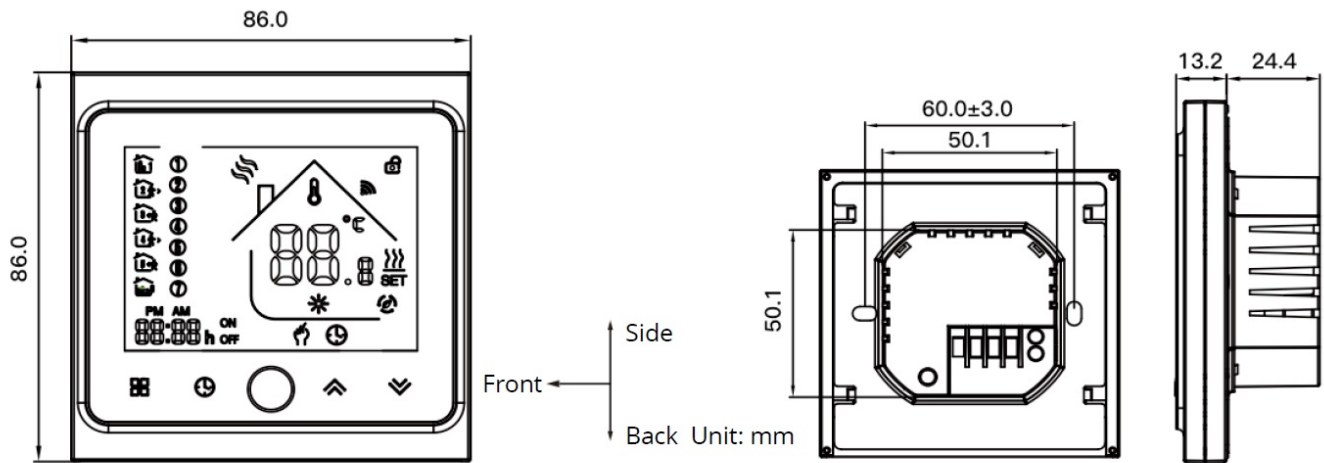
Enhanced Convenience in Design:

1. Streamlined Operation for Effortless Living: Enjoy a life of ease with a user-friendly interface that simplifies your daily routines.
2. Chic Options: Select from sophisticated black and pristine white housing to seamlessly complement any interior decor.
3. Fashionable Design that Blends In: Its stylish design effortlessly integrates into any setting, enhancing the aesthetic appeal of your space.
4. Easy-to-Read Touch Screen: The touch screen display, complete with a backlight, ensures effortless readability, even in the darkest environments.
5. Illuminated Buttons for Constant Awareness: Brightly lit buttons serve as a constant reminder of the vibrant world around you, enhancing your awareness.
6. Intuitive UI Suitable for All Ages: The intuitive user interface is so simple that even a child can navigate it with ease.

Advanced Functionality:

- Precision Temperature Control: Maintain your desired temperature level with an accuracy of 0,5 degrees Celsius, ensuring optimum comfort.
- Versatile Connectivity Options: Explore a range of powerful functions, including Modbus and Wi-Fi connectivity, offering you versatile control possibilities.
- Persistent Data Memory: Benefit from data memory capabilities, preserving your settings even during power outages for uninterrupted convenience.
- Customizable Programmable Settings: Utilize the 5+1+1 six-period programmable feature, maximizing both comfort and economy tailored to your lifestyle.
- Centralized Thermostat Grouping: Create thermostat groups for centralized control, enhancing the efficiency of your heating and cooling systems.
- Smart Home Integration: Seamlessly integrate with Amazon Echo, Google Home, and Tmall Genie, enhancing your home automation experience.
- Global Settings Synchronization: Automatically synchronize settings, including time zone, address, and language, providing a hassle-free experience across languages and regions.
- Expandable and Smart Scene Compatible: Enjoy limitless room additions with no restrictions and full support for Smart Scene configurations, giving you the flexibility to customize your environment.

Diagram



Specifications

- Power Supply 95 – 240 V, AC, 50 – 60 Hz
- Current Load 5 A (applicable for water heating, water boiler, and gas boiler), 16 A (suitable for electric heating)
- Sensor NTC3950, 10K
- Accuracy $\pm 0,5^{\circ}\text{C}$
- Set Temperature Range 5 – 35 $^{\circ}\text{C}$
- Display Temperature Range 5 – 99 $^{\circ}\text{C}$
- Ambient Humidity 5 – 95% RH (Non-Condensing)
- Storage Temperature – 5 – 45 $^{\circ}\text{C}$
- Power Consumption Less than 1,5 W
- Timing Error Less than 1%
- Shell Material PC + ABS (flame retardant)
- Installation Box 86 × 86 mm Square or European 60 mm Round Box
- Installation Box 86 × 86 mm Square or European 60 mm Round Box
- Wire Terminals Supports 2 × 1,5 mm² wires or 1 × 2,5 mm² wire
- Protection Class IP 20
- Buttons Capacitive Touch Buttons

Before Wiring and Installing

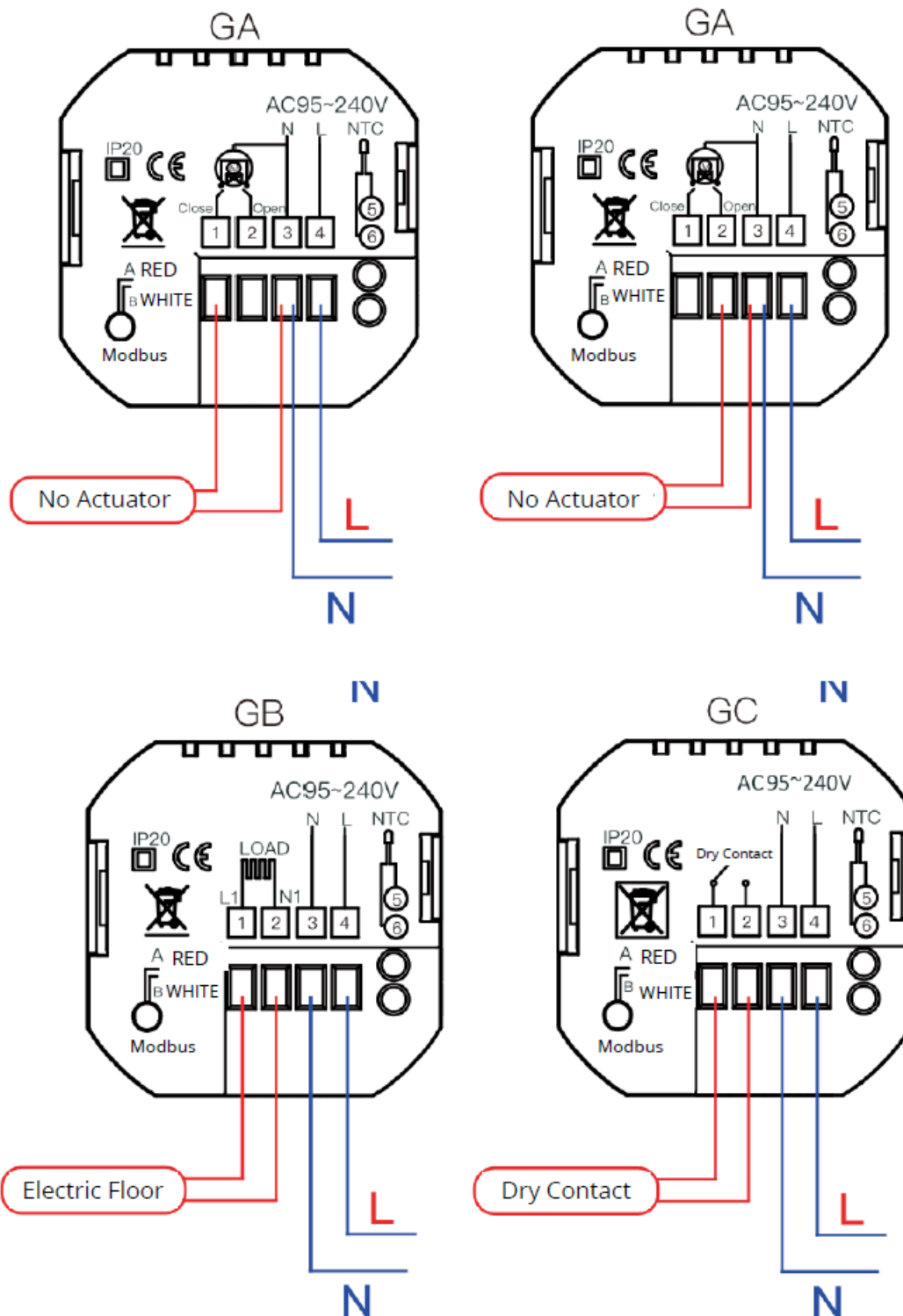
1. Carefully read and understand these instructions. Failure to adhere to them may result in product damage or hazardous conditions.
2. Verify that the product ratings mentioned in the instructions and on the device are suitable for your specific application.
3. Installation should be carried out by a trained and experienced service technician.
4. Once installation is complete, thoroughly test the product's operation following the instructions provided.

CAUTION: There is a risk of electrical shock or equipment damage. This can affect individuals or cause a short circuit in the equipment. Always disconnect the power supply before installation.

Wiring Instructions

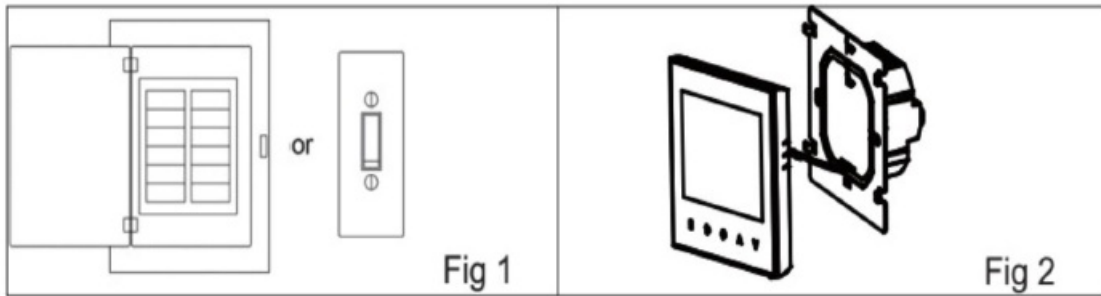
Note:

- GA is intended for water heating systems.
- GB is designed for electric heating systems.
- GC is compatible with water/gas boiler setups.
- If your boiler has more than three wires, please contact us for the correct installation method.
- NTC and Modbus options are available at your discretion.

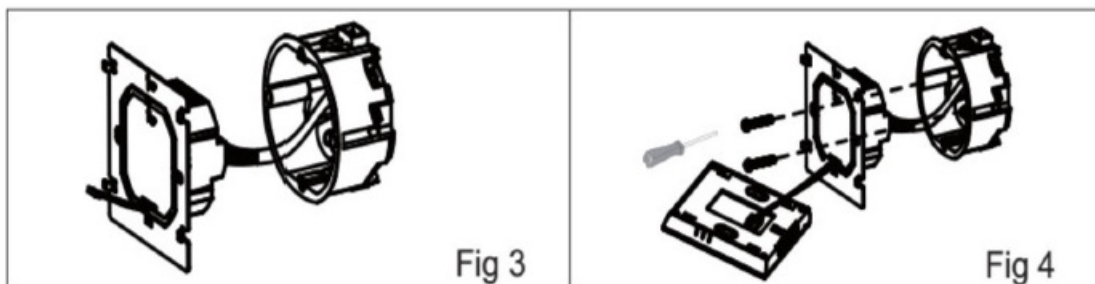


Installation Instructions

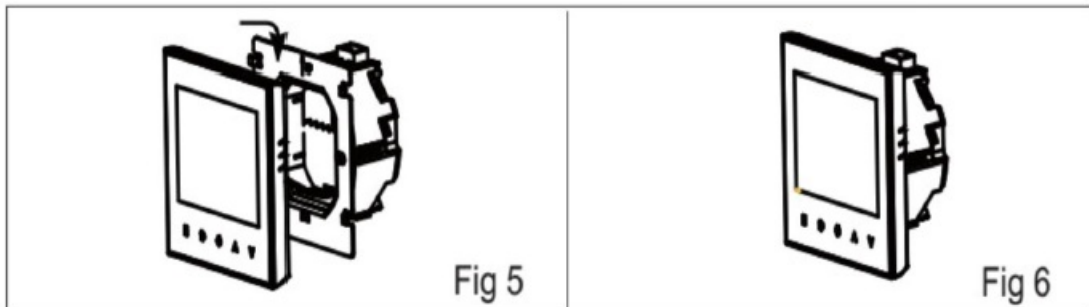
1. Ensure the power is turned off, as illustrated in Fig 1.
2. Slide the LCD assembly downward to detach the mounting plate, as shown in Fig 2.



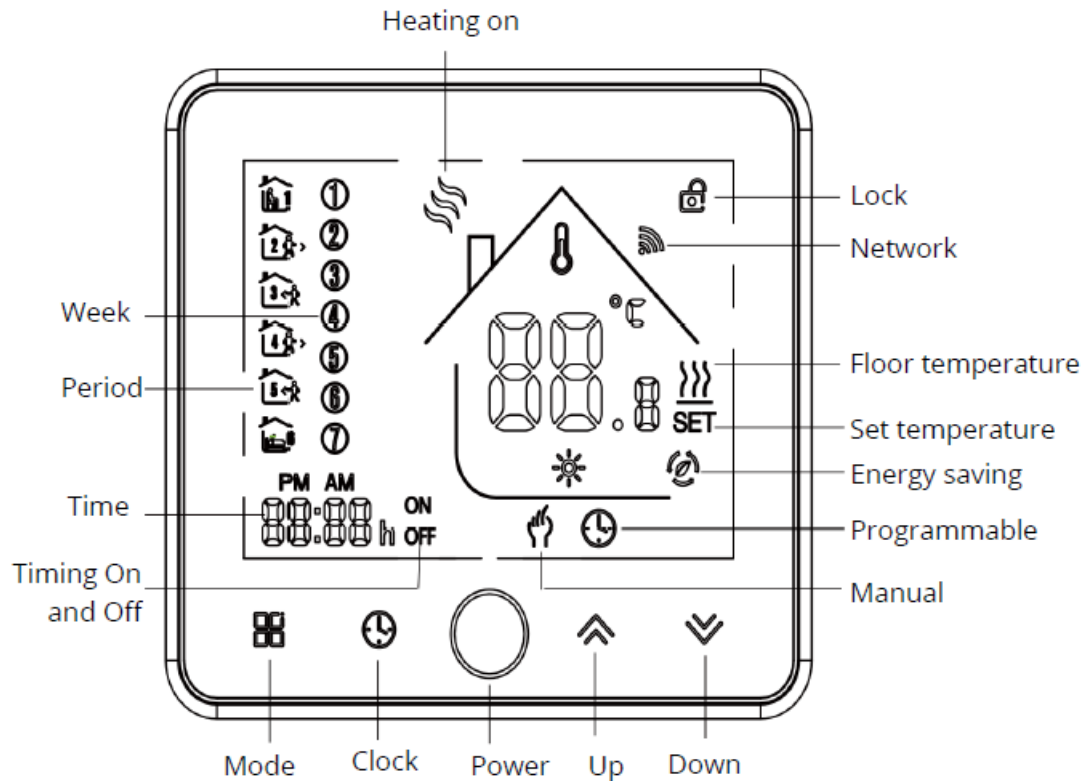
3. Connect the power supply and load to the designated terminals (refer to “Wiring your thermostat” for specifics and consult Fig 3).
4. Securely affix the mounting plate to the wall using screws within the pattress box, following the guidance in Fig 4.













5. Attach the thermostat body to the mounting plate by rotating it, as depicted in Fig 5.
6. The installation is now complete, as indicated in Fig 6.



Home Screen Guide



Thermostat Control

1. Power Control: Press  to switch the thermostat on or off.
2. Manual & Programmable Modes: Touch  to toggle between manual mode (indicated  by in the bottom left of the screen) and programmable mode (indicated by the period icon  on the right side).
3. Setting the Temperature: In programmable mode, time and set-point adjustments are disabled. To modify, switch to manual mode or programmable settings. In manual mode, press  to set your desired temperature.
4. Adjusting the Clock: Tap the  icon to set the minute, hour, and weekday (1= Monday, 2=Tuesday, etc.) using the arrows. Press  again to confirm and exit.
5. Thermostat Lock Feature: Hold the buttons  for 5 seconds to lock or unlock your thermostat. In item 3 of high sensor options, you can choose between full lock or half lock.
6. Program Schedule Adjustments: Manually configure a week of programming settings with the following specific operations.
 1. Touch  to switch between manual mode and program mode. In manual  mode, will be displayed at the bottom of the screen. In program mode, touch and hold the clock icon until the weekday schedule settings appear (numbers 1 to 6 will show along the left of the screen).
 2. Use the left and right arrow icons to adjust the time.
 3. Press the clock icon and use the up and down arrows to set the temperature for the first period.
 4. Press the clock icon again and use the up and down arrows to set the time for the 2nd period. Repeat this process for periods 3, 4, and 5,6.

5. Press the clock icon once more to enter the Saturday schedule settings (number 6 will show along the left of the screen).
6. Repeat the above process to set the period, temperature, and Sunday schedule. Press the clock icon once more to confirm and exit.

Default Settings for Program Schedule

Distinct schedules can be established for weekdays (Monday to Friday) and weekends (Saturday or Sunday).

Programming Your Thermostat Using the App

Utilize the app to configure one week of programming settings. For detailed instructions, consult the second page titled "Programming Your Thermostat."

7. Monitoring Floor Sensor Temperature: Hold down the down arrow for 5 seconds to view the temperature of the floor sensor.

Getting Ready for Use

1. Downloading the MOES App

1. The MOES App offers enhanced compatibility compared to the Tuya Smart/Smart Life App. It functions seamlessly with Siri for scene control, provides widgets, and offers scene recommendations as part of its brand-new, customized service. (Please note: While the Tuya Smart/Smart Life App still works, we highly recommend using the MOES App.)



2. Account Registration or Login:



Access the Register/Login interface: select “Register” to create an account by inputting your phone number for a verification code and setting a password. Opt for “Log in” if you already possess a MOES account.

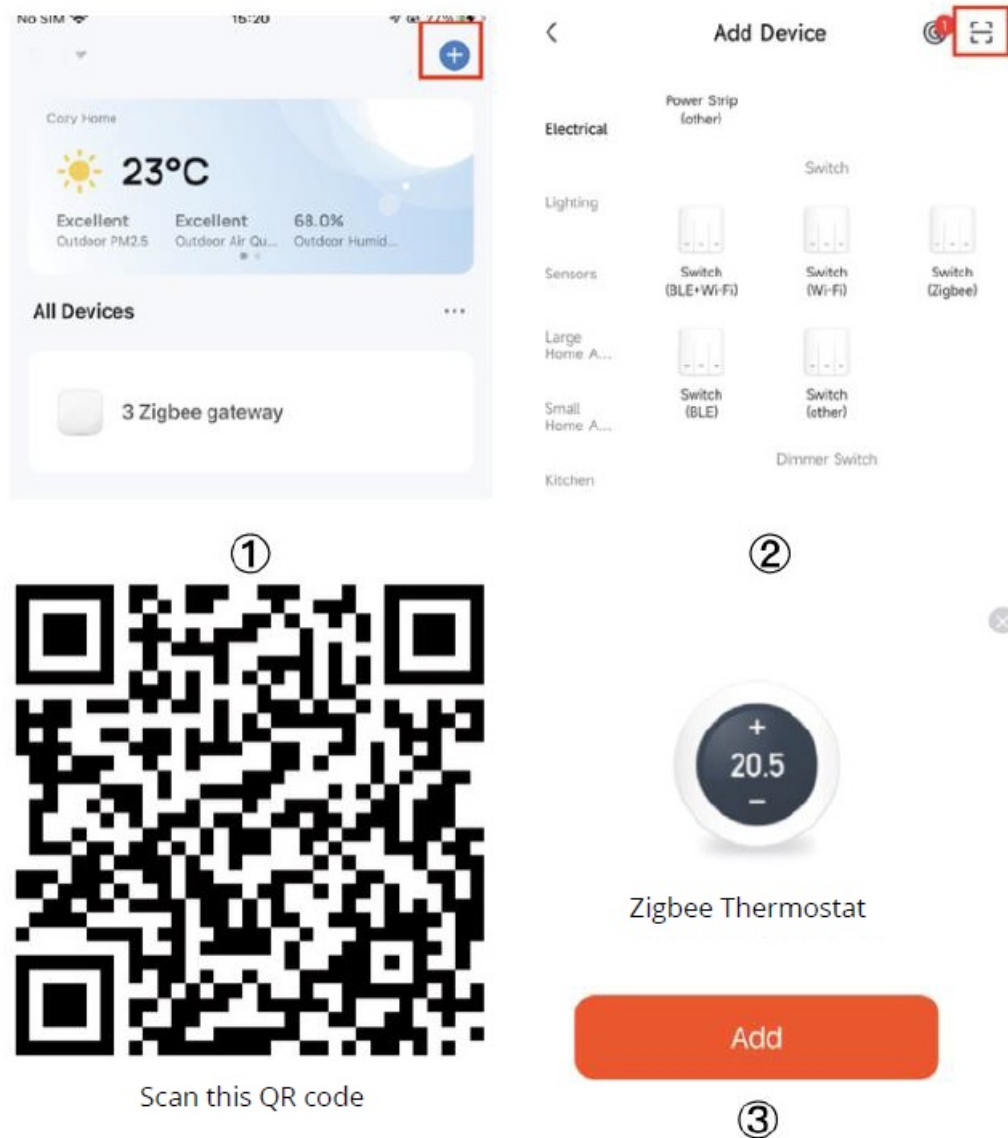
ZigBee Connection

Ensure that your device is within the effective signal coverage of your smart ZigBee gateway to establish a successful connection with the ZigBee gateway in the MOES APP.

Method One:

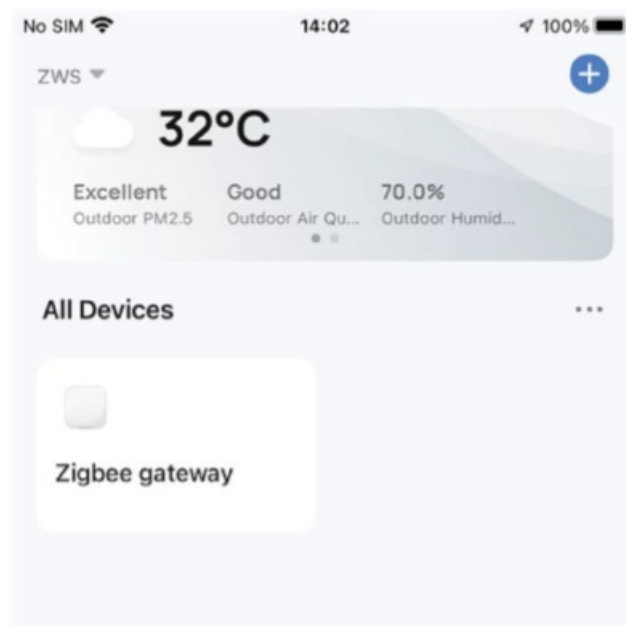
Scan the QR code to access the network configuration guide.



1. Confirm that your MOES APP has successfully connected to a Zigbee gateway.

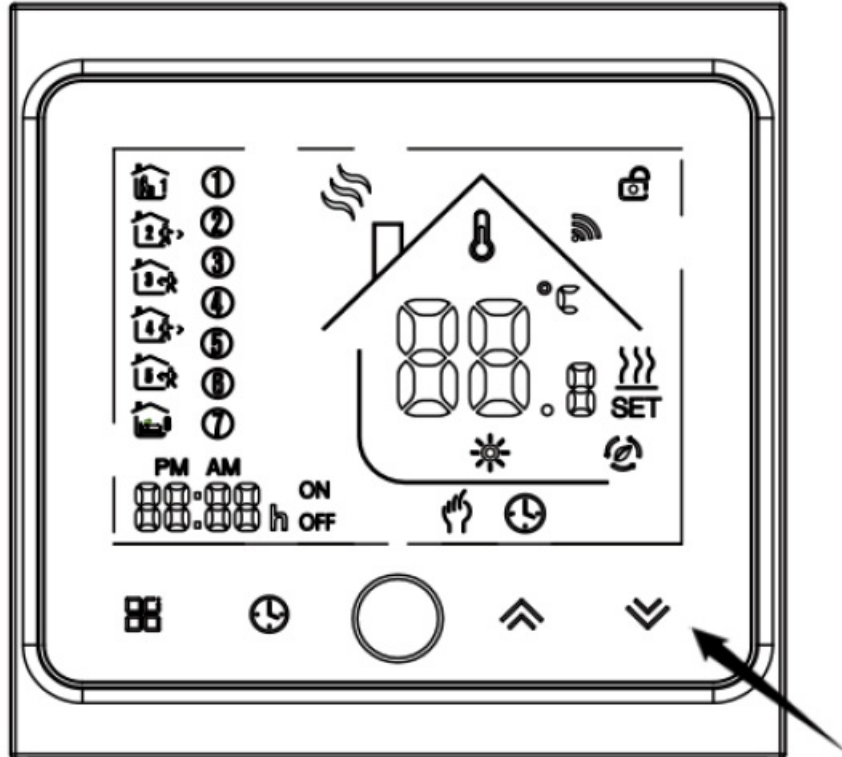


Method Two:

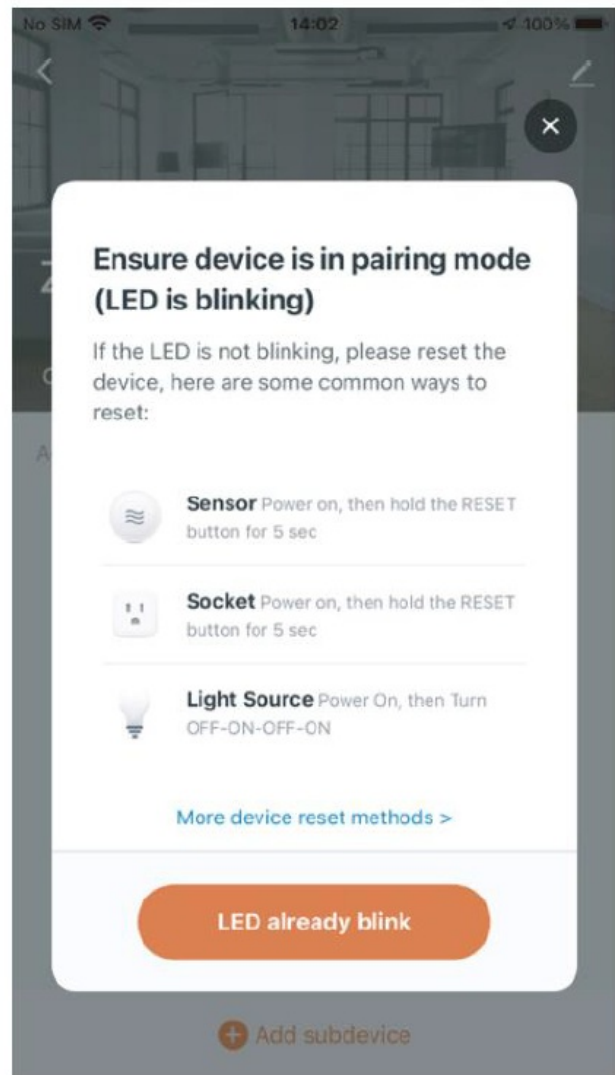
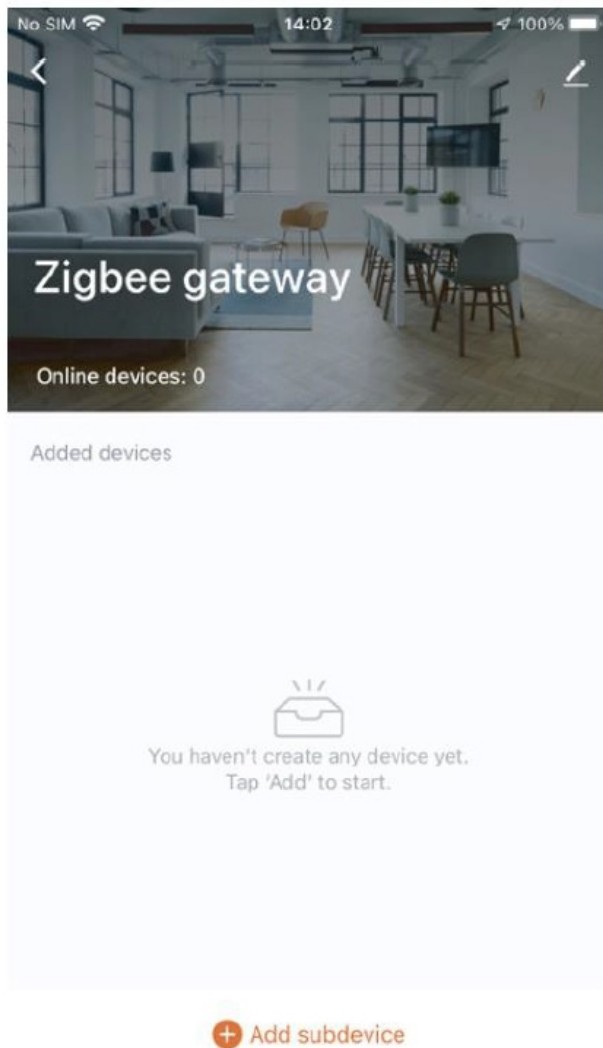
1. Ensure that your Smart MOES Smart APP has successfully connected to a Zigbee gateway.



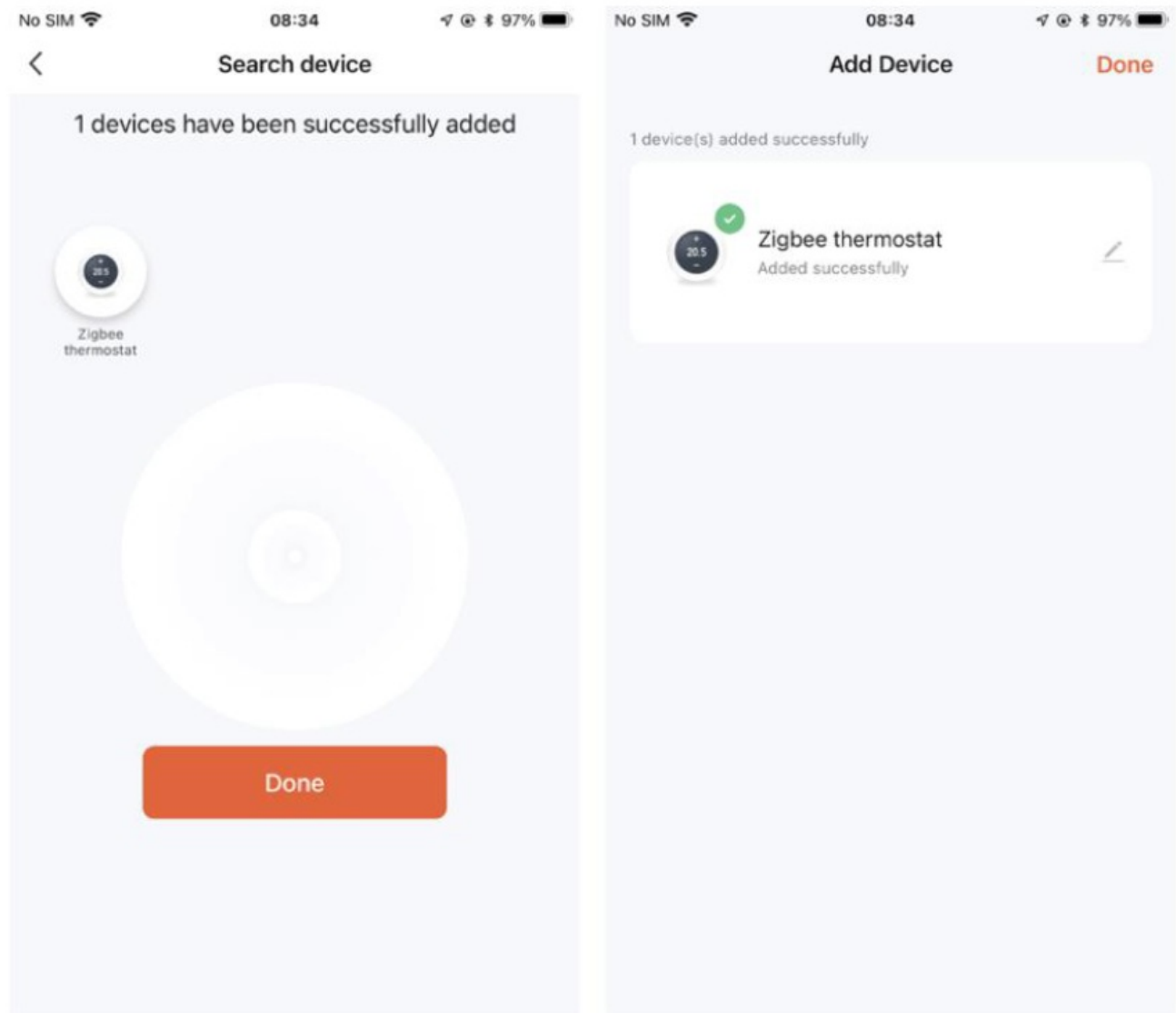
2. Reset: Turn off the thermostat, press and hold the  button until the thermostat screen flashes quickly, displaying the  icon. Then, follow the instructions in the accompanying figure.



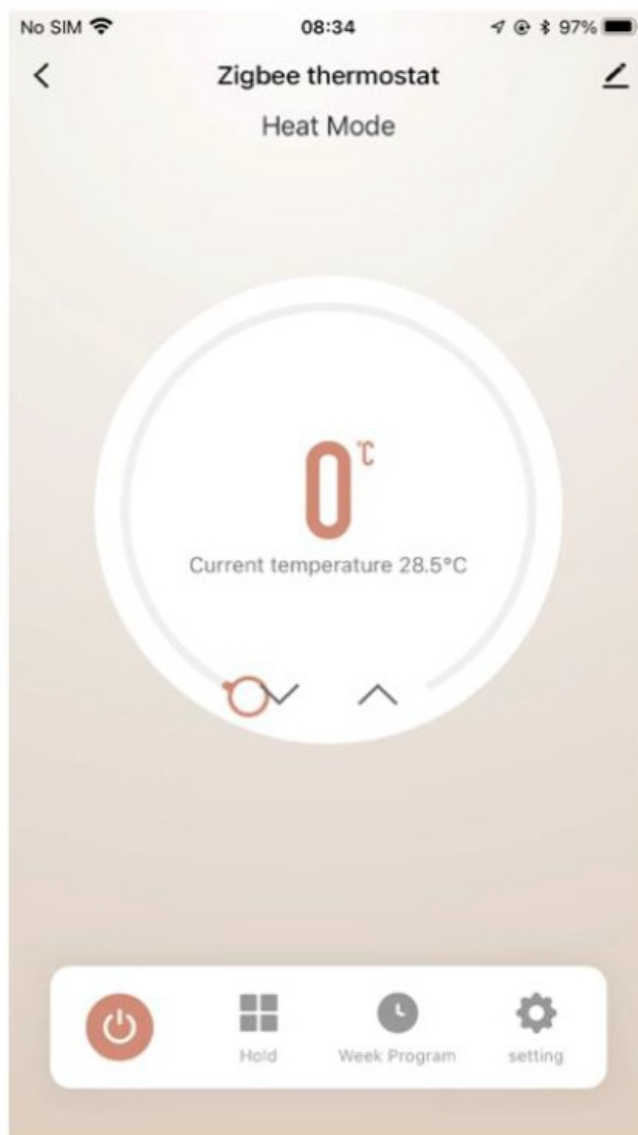
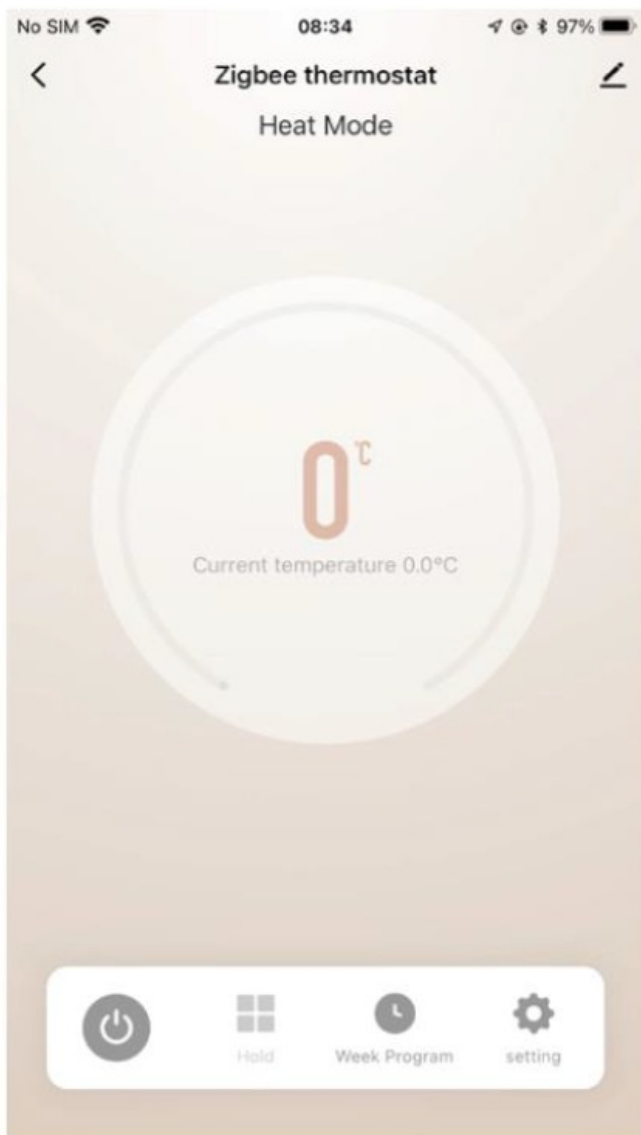
3. Access the gateway by following the steps in the image below, completing the process by selecting “Add subdevice → LED already blinks.” The connection will take about 10 – 120 seconds, depending on your network conditions.



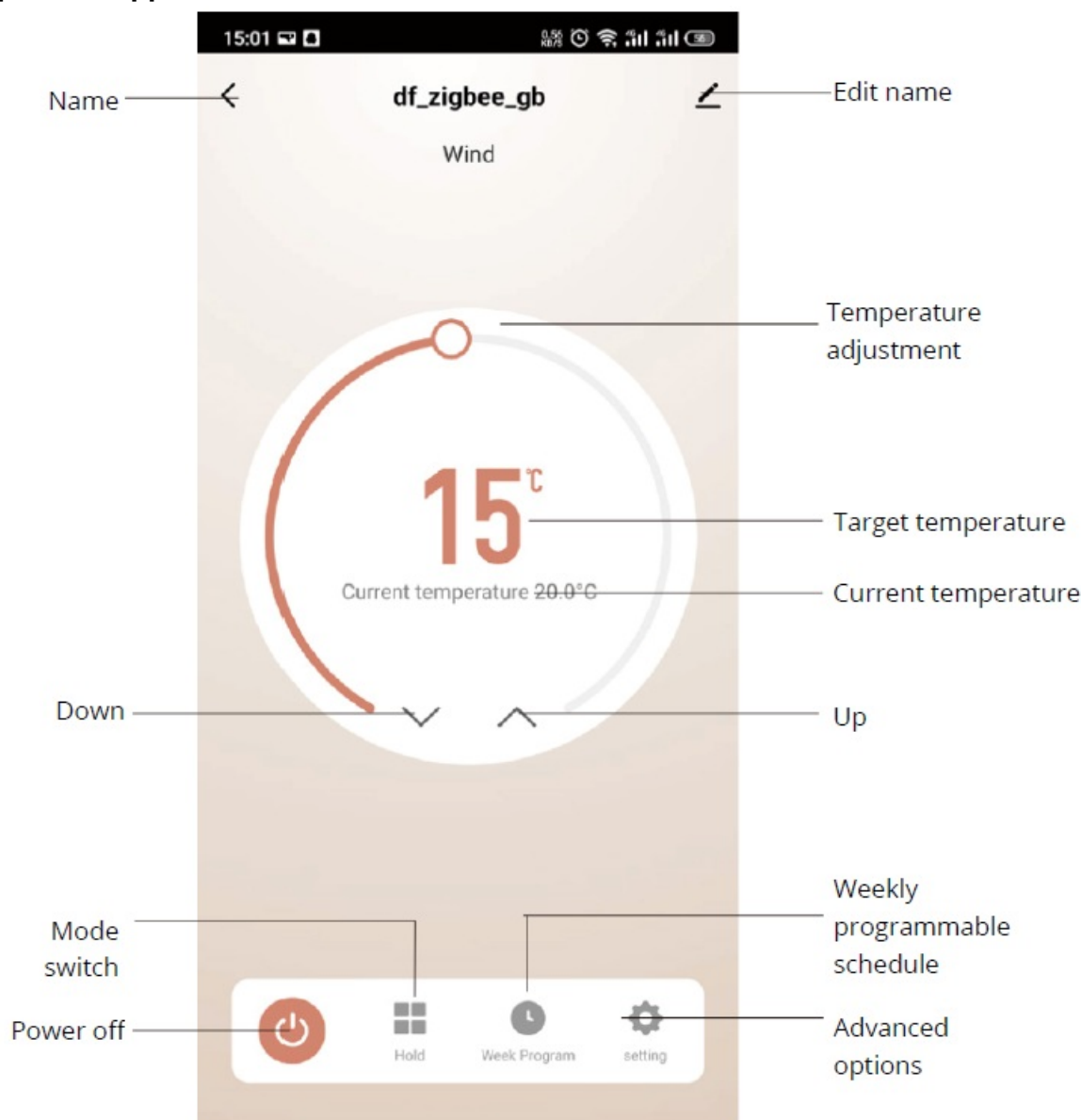
4. Once the device is added successfully, you can edit its name on the device page by clicking "Done".



5. Click "Done" to enter the device page and indulge in the convenience of your smart home automation.



Description of App User Interface



Troubleshooting Guide

1. Power On, No Display:
 1. Verify if the terminals between the LCD panel and the Power Unit Box are loose.
2. No Output, Display Working:
 1. Replace either the LCD panel or the Power Unit Box with new components to resolve the issue.
3. Slight Room Temperature Discrepancy:
 1. Perform temperature calibration by accessing item 1 in the high senior options menu.

Warranty Condition

A new product purchased in the Alza.cz sales network is guaranteed for 2 years. If you need repair or other services during the warranty period, contact the product seller directly, you must provide the original proof of purchase with the date of purchase.

The following are considered to be a conflict with the warranty conditions, for which the claimed claim may not be recognized:

- Using the product for any purpose other than that for which the product is intended or failing to follow the

instructions for maintenance, operation, and service of the product.

- Damage to the product by a natural disaster, the intervention of an unauthorized person or mechanically through the fault of the buyer (e.g., during transport, cleaning by inappropriate means, etc.).
- Natural wear and aging of consumables or components during use (such as batteries, etc.).
- Exposure to adverse external influences, such as sunlight and other radiation or electromagnetic fields, fluid intrusion, object intrusion, mains overvoltage, electrostatic discharge voltage (including lightning), faulty supply or input voltage and inappropriate polarity of this voltage, chemical processes such as used power supplies, etc.
- If anyone has made modifications, modifications, alterations to the design or adaptation to change or extend the functions of the product compared to the purchased design or use of non-original components.


EU Declaration of Conformity

This equipment is in compliance with the essential requirements and other relevant provisions of EU directives






WEEE

This product must not be disposed of as normal household waste in accordance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE – 2012/19 / EU). Instead, it shall be returned to the place of purchase or handed over to a public collection point for the recyclable waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. Contact your local authority or the nearest collection point for further details. Improper disposal of this type of waste may result in fines in accordance with national regulations

Documents / Resources

	Moes ZigBee 002 Series Thermostat [pdf] User Manual ZHT-002, ZigBee 002 Series Thermostat, ZigBee 002 Series, Thermostat
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References

-  [alza.at](#)
-  [Alza | Alza.co.uk](#)
-  [alza.de](#)
-  [alza.hu](#)
-  [alza.sk](#)
- [User Manual](#)