About this Manual

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the ЕZVIZ ™ website (http://www.ezviz.com).

Revision Record

New release – January 2024

Trademarks Acknowledgement

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Legal Disclaimer

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Thermostat (×1)

Gateway (×1)
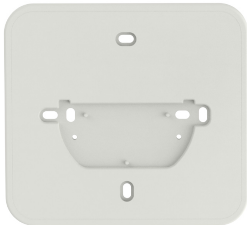
Bracket (×1)

Hanger (×1)

Power Cable (×1)

Boiler-connecting Cable (×1)

Screw Kit (×1)

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Quick Start Guide (×1)

ⓘ All device's appearances are subject to the one you have bought.

2. Basics

2.1 Smart Thermostat

* Screen
Control Knob *
* Setting Button

Front View

Battery Compartment
(Behind the cover)

Installation Slot ×3
Power Port

Air Inlet
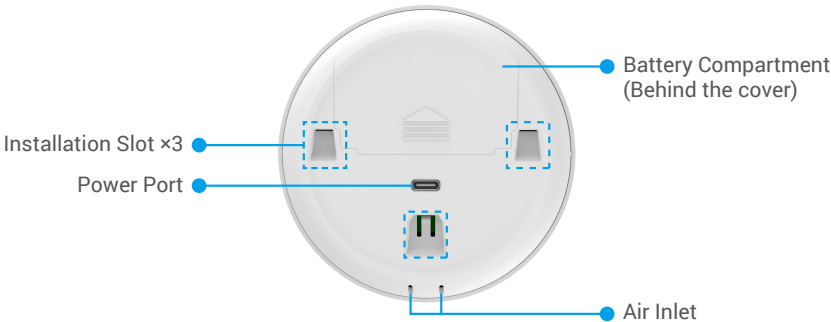
Rear View
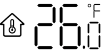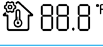
Setting Button
• Short press the setting button to switch modes. • Press and hold for 5s to enter the Setting Menu*. • Child Lock: Press and hold for 25s to lock the thermostat and for 10s to unlock it.

Control Knob
Rotate the control knob to adjust temperature or switch settings.

Screen Icon Description		
📶	Wi-Fi Communication	• Permanent on: Wi-Fi connected • Off: Wi-Fi disconnected or offline
((ᵠ))	RF Communication	• Permanent on: The thermostat is connected to the gateway successfully. • Flashing: The thermostat is connecting to the gateway. • Off: The thermostat is failed to connect to the gateway or there is no network.
OS	OS Control	The thermostat adopts the optimal start/stop control mode.

2

Screen Icon Description		
TPI	TPI Control	The thermostat adopts the proportional integral control mode.
88:88	Time	• When the thermostat is in the main screen, it displays the current time. • Display programming time when set programming.
8 WEEK	Week	• When the thermostat is in the main screen, it displays the current week. • When setting time, it display the setting time.
8 TIMING	Timing	In auto mode, it displays the timing period when set programming.
🏠🏃	Holiday Mode	Display when the thermostat is set to holiday mode.
🕐	Auto Mode	In auto mode, temperature will be adjusted according to the programming period.
🕐	Temporary Mode	In auto mode, rotate the control knob to activate the temporary mode and set the temporary target temperature. The temperature will be controlled according to set value in temporary mode, and back to timing mode at the next programming period.
🖐	Manually Mode	In manually mode, rotate the control knob to set temperature manually.
⏻	Power	Start/stop heating
🌡26.0 °F	Current Temperature	Display the current temperature.
🔥	Flame	Display when the thermostat is active and the boil is heating.
🔓	Child Lock	Display when the thermostat is locked.
🌡88.8 °F	Target Temperature	Display the target temperature.
≋	Heating	Thermostat sends heating command, boiler is heating.

2.2 Gateway

Flame/Pairing Indicator
Wi-Fi Indicator
OT Indicator
SET/Wi-Fi Configuration Button
MODE/Pairing Button
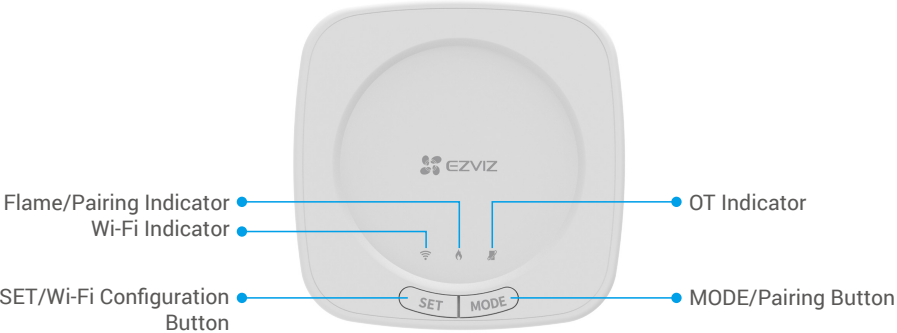
Front View

Icon	Description
📶	• Fast-flashing blue: Network connecting. • Slow-flashing blue/Off: Not connected to the network. • Solid blue: Network connected.
🔥	• Fast-flashing red: Pairing with thermostat. • Solid Red: Relay closed. • Off: Relay opened.
🔲	• Solid Green: Opentherm connected. • Off: Opentherm disconnected.
SET	Press and hold for 3s: Reset and restart the gateway, while delete any added thermostat, and all indicators will flash for 3s. Then blue light flashes fast and gateway is ready for Wi-Fi connection.
MODE	Press and hold for 3s: Gateway ready for Wi-Fi connection.

Installation Hole ×6
Rear Cover
Fixing Screw

Rear View

Power Input
L: Connect live wire
N: Connect null wire

OT Terminal
NO/COM Terminal

Wire Hole
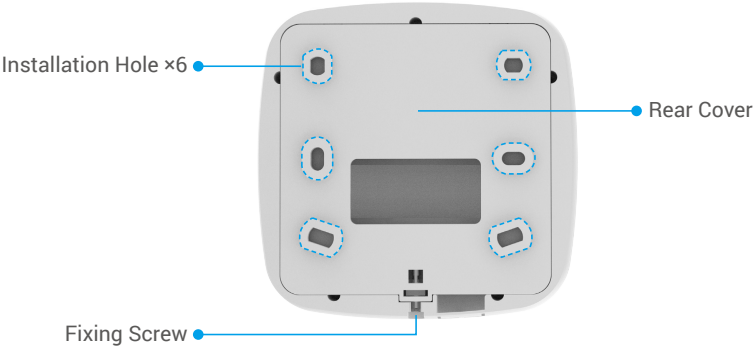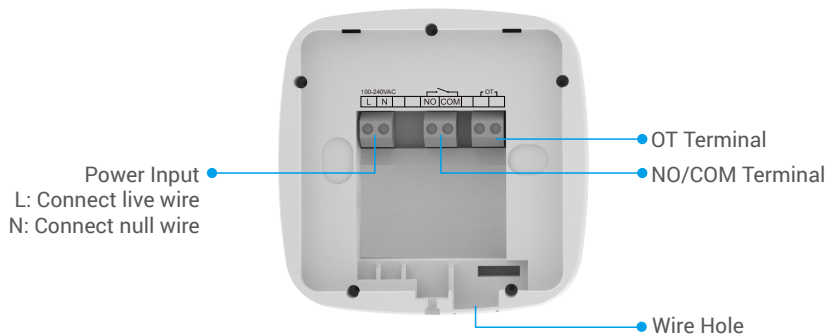
Rear View(Remove the rear cover)

Get the EZVIZ App

1. Connect your mobile phone to Wi-Fi (suggested).
2. Download and install the EZVIZ App by searching "EZVIZ" in the App Store or Google Play™.
3. Launch the App and register an EZVIZ user account.

EZVIZ App	
Download on the App Store	GET IT ON Google Play
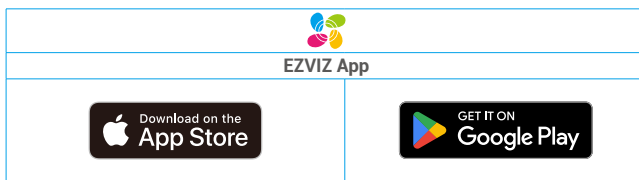
ℹ If you have already used the App, please make sure that it is the latest version. To find out if an update is available, go to the App store and search for EZVIZ.

Installation

1. Installation Location

ⓘ • The thermostat is communicated with the gateway by radio waves. Please keep distance from the following metal objects that may affect wireless signal receiving before installation: steel walls, metal cabinets, kitchen appliances, mirrors and so on.
• The distance between the thermostat and the floor cannot be exceed 2 meters.

Gateway
• Install the gateway near the boiler.
• Make sure wireless signals could be received.

Thermostat
• Install the thermostat on the wall within the heating area.
• About 1.5m above the floor.
• Keep away from windows and doors.
• Do not install in book shelves and closets.
• Keep away from heat sources (radiators, fire places, television sets, and be sure to avoid direct sunlight).
• Make sure that wireless signals could be received. (Stable communication with the gateway).
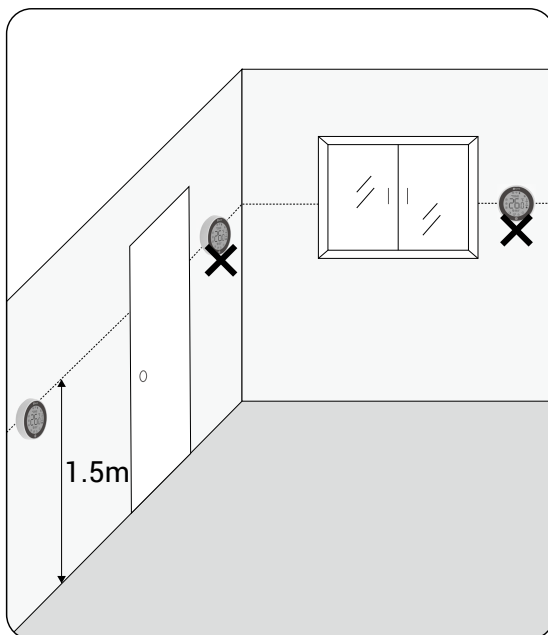
2. Install Batteries

1. Press and slide the Battery Cover down to take off it
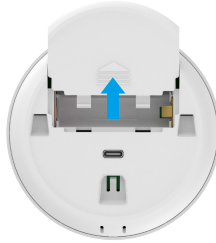
2. Install 2 AA-sized batteries. Replace the battery cover and then the screen will light up.

   ℹ Please check the polarities (+/-) are correctly aligned.
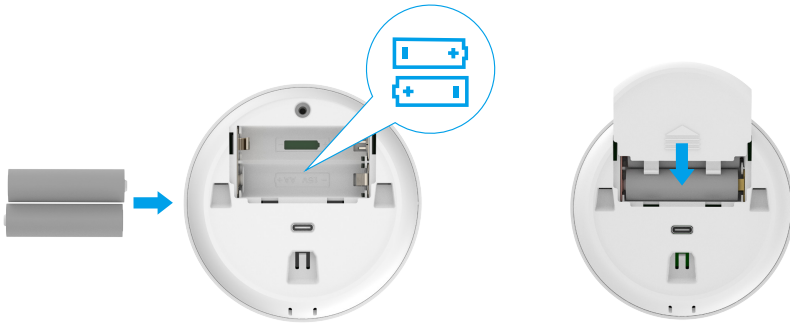
3. Install Thermostat

You can install the thermostat in the following two ways:

• Install the Thermostat with Hanger and Bracket
1. Fix the hanger on the bracket with two short screws.
2. Drill screw holes and insert anchors. Use self-tapping screws to fix the bracket.
3. Align the installation slot of the thermostat with the hanger.

Self-tapping Screw

Anchor

Short Screw
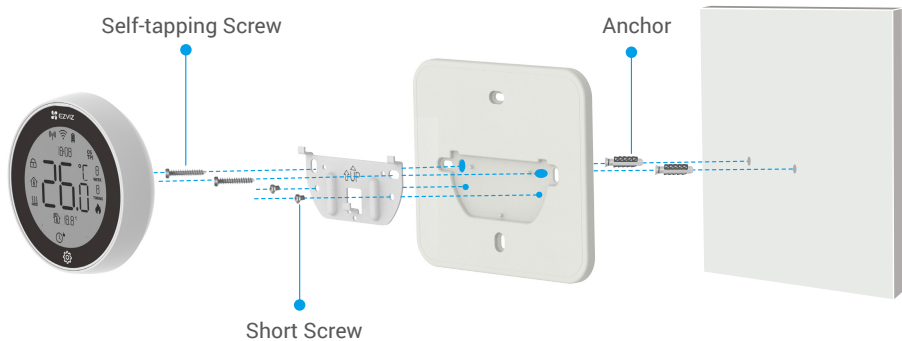
- **Install the Thermostat with Hanger and Wire Box(purchase separately)**
1. Fix the hanger on the wire box with two long screws.
2. Align the installation slot of the thermostat with the hanger.

Long Screw   Wire Box
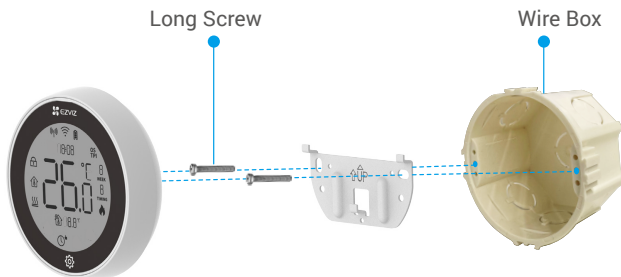
4. Connect the Gateway and Boiler

ⓘ Before connecting, please cut off the power supply of the gateway and boiler.

1. Loosen the fixing screw with a cross screwdriver and open the rear cover.
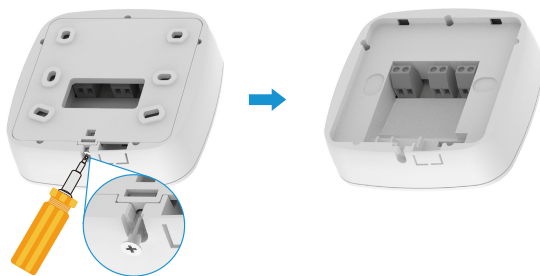
2. Connect the power cable to the power input port according to the back label. The blue wire is connected to "L" and the brown wire is connected to "N".
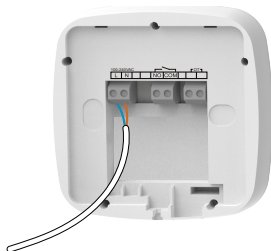
3. Open the shell of the boiler controller and find the Opentherm or On/Off terminal on the main controller board. (Read the user manual of the boiler for details)
4. Connect the gateway with boiler through boiler-connecting cable.
5. Replace the shell of boiler.
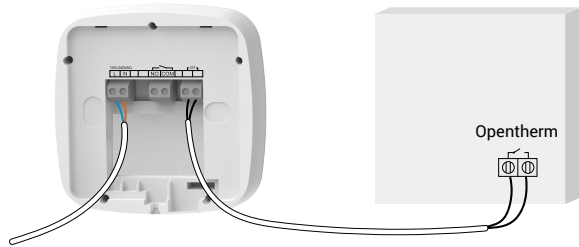
Opentherm Boiler Wiring Diagram
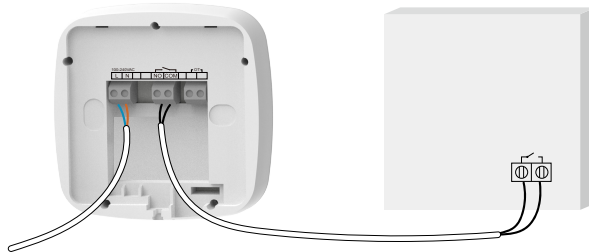
ON/OFF Boiler Wiring Diagram

5. Install Gateway

You can install the gateway in the following two ways:

• **Install the Gateway with Screws and Anchors**
1. Drill screw holes and insert anchors into the wall.
2. Use self-tapping screws to fix the rear cover.
3. Replace the gateway on the rear cover and tighten the fixing screw.

Self-tapping Screw   Anchor
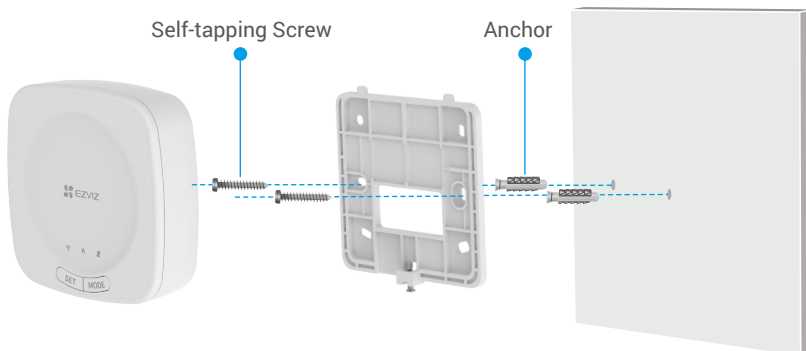
• **Install the Gateway with Wire Box(purchase separately)**
1. Fix the rear cover on the wire box with two long screws.
2. Replace the gateway on the rear cover and tighten the fixing screw.

Long Screw   Wire Box
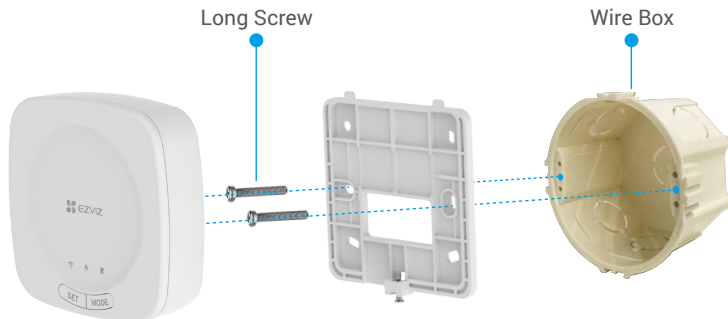
Add Your Device to EZVIZ App

1. Add Gateway

1. Log in to your EZVIZ App account.
2. On the Home screen, tap "+" on the upper-right corner to go to the Scan QR Code interface.
3. Scan the QR code on the Quick Start Guide cover or on the back of the gateway.
4. Follow the EZVIZ App wizard to finish network configuration.

2. Add Thermostat

1. Go to Setting page of the gateway according to the following steps and click "Panel Manager".
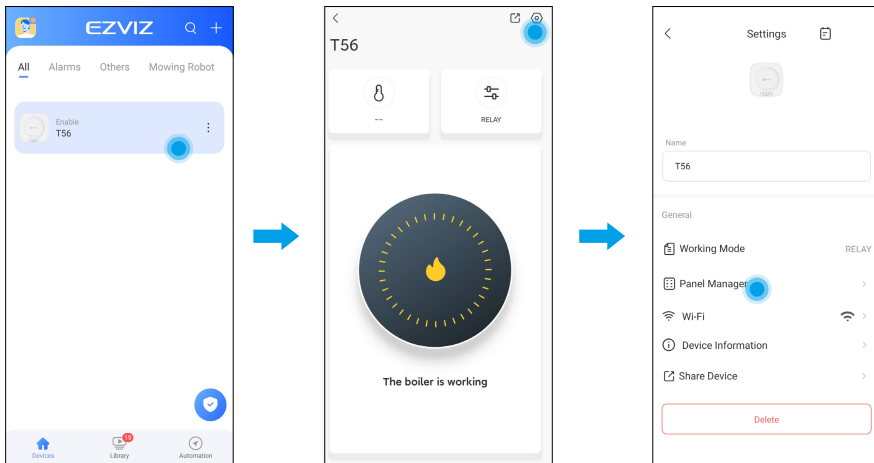
2. Press and hold the setting button of the thermostat to go to the setting menu.
3. Select [ ] [ ]P and press the setting button once, the 8-digit device serial number displays.

Icon	Letter
A	A
b	B
C	C
d	D
E	E
F	F
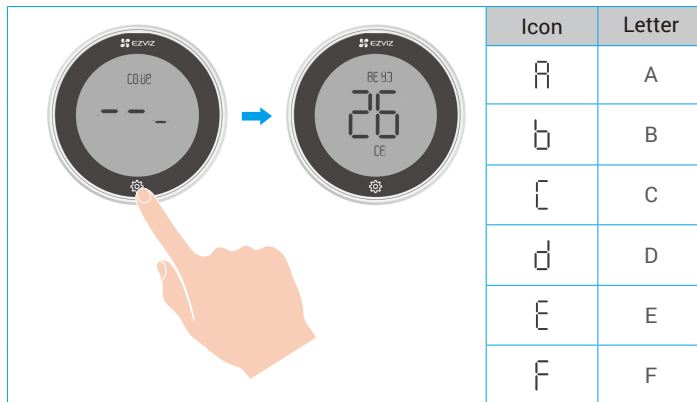
4. Click "Add", input the 8-digit device serial number of the thermostat.

Panel Manager

No panel has been added.

Add

Manually Input

Input the 8-digit device serial No.

OK
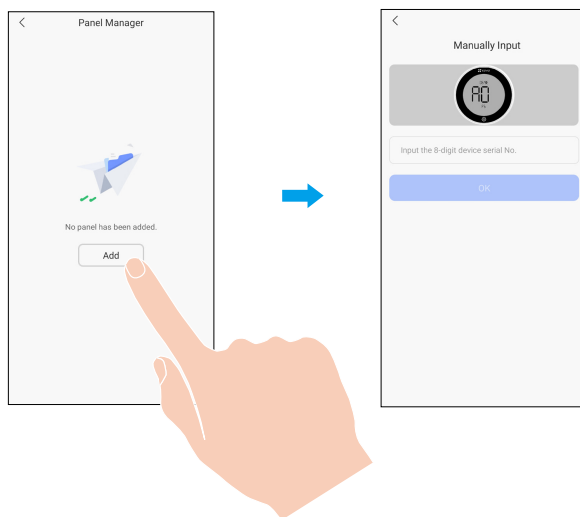
Operation

1. Operations on the Thermostat

Time Setting
1. In the main interface, press the setting button for 3s to enter the setting menu. Rotate the control knob until the screen display the time setting interface.
2. Press the setting button to set time as the order: Year > Month > Day > Hour > Minute.
3. Rotate the control knob to adjust value, press setting button to confirm.

Working Mode
In the main interface, press the setting button to switch working mode: Holiday, Auto, Temporary, Manually, and Power.

Temperature Setting
In the main interface, rotate the control knob to adjust target temperature and press setting button to confirm.

Setting Menu

Icon	Name	Description
COUP	Connection Code	The screen displays the connection code(8-digit device serial number). You can enter the code in App to add the thermostat. After successful addition, the screen displays R0x, such as R01.
N70d	Heating Mode	Rotate the control knob to select heating mode: Nor, OS, TPI.
t0	Anti-freeze	Rotate the control knob to select ON/OFF and press the setting button to confirm. • ON: Enable the anti-freeze function and you can rotate the control knob to set anti-freeze temperature(5°C to 15°C). • OFF: Exit.
H0n	Return Difference	Set the difference between the startup temperature and the shutdown temperature. For example, the difference is 1°C, and the target temperature is 25°C, the boiler will start heating when the temperature reaches 23°C and stop heating when the temperature reaches 27°C. • H0n: Rotate the control knob to set difference of temperature. • H0F: Disable the setting.
CALI	Temperature Calibration	If the temperature displayed by the thermostat deviates from the actual temperature, rotate the control knob to calibrate it.
bL	Screen Backlight	Rotate the control knob to set screen backlight. • ON: Constant on • AUTO: Delay off • OFF: off
dHU	Domestic Hot Water (Opentherm only)	Rotate the control knob to adjust target temperature of domestic hot water. When the temperature value stops jumping, the target water temperature has been successfully set.
InF0	Boiler Parameters (Opentherm only)	View and set the parameters of the boiler.
PL	Advanced Setting	Set advanced technical parameters for professional staff only. For details, see the table of "Advanced Setting".
EHIt	Exit	Exit the setting menu.

Advanced Setting

Icon	Name	Range	Description
LLCH	Min. Target Temperature of Hot Water (Opentherm only)	10-HHCH	Set the minimum target temperature for hot water of the boiler.
CLI	Environmental Curve (Opentherm only)	0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0	The larger the value, the better the heating effect, but it will also increase energy consumption.
InFL	Temperature sensor influence coefficient (Opentherm only)	0-20	The value determines the magnitude of the impact of the temperature sensor on the calculation of the target temperature.
FACt	Restore Factory Settings	0-1	• 1=Restore • 0=Not restore
EHIt	Exit	--	Exit the setting menu.

2. Operations on the EZVIZ App

2.1 Detail Page
In the detail page, you can view the boiler status, adjust temperature and modify working mode of the thermostat.

Share Device

Settings

Outdoor Temperature

Boiler Working Mode

T56

26°C

RELAY

Boiler Status

The boiler is working

Gateway

Share Device

Settings

XXXXXX

Current Temperature

30.1
Current Temp
--

Current Temp   Set Temp

Set Temp 21.0°C

Temperature Setting

Working Mode

Power   Auto   Manually   Holiday
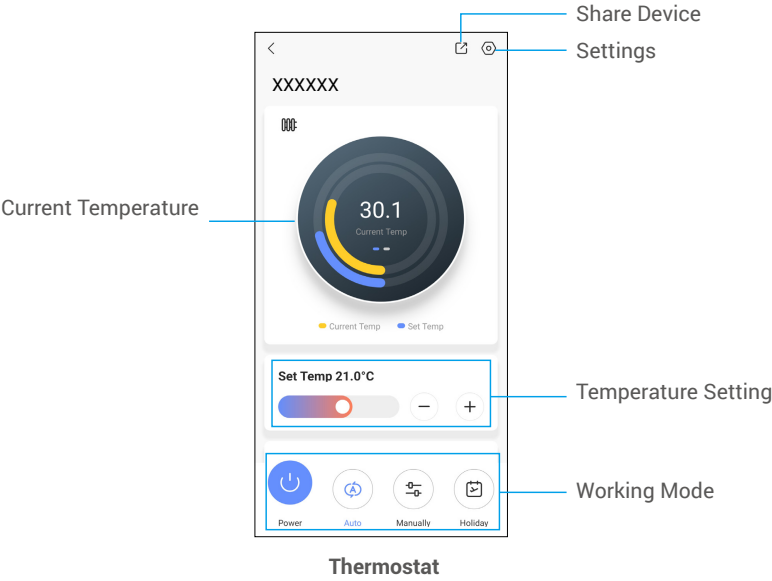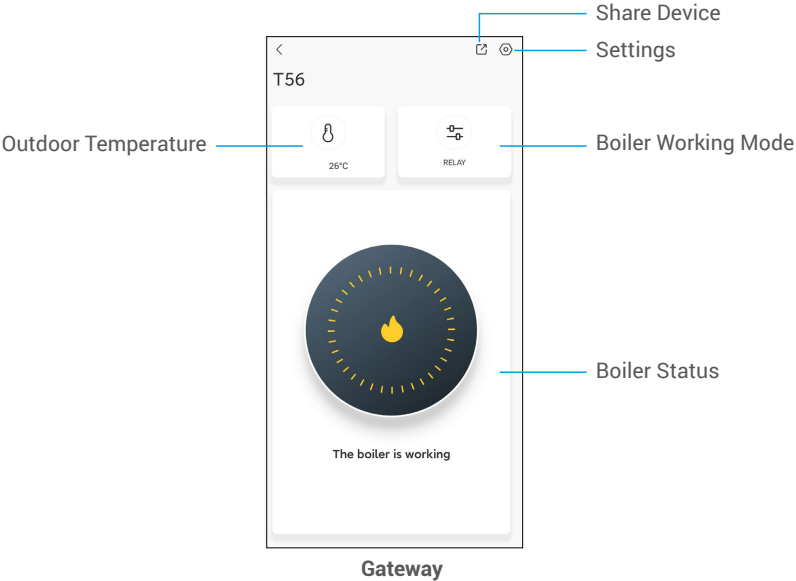
Thermostat

2.2 Gateway Settings
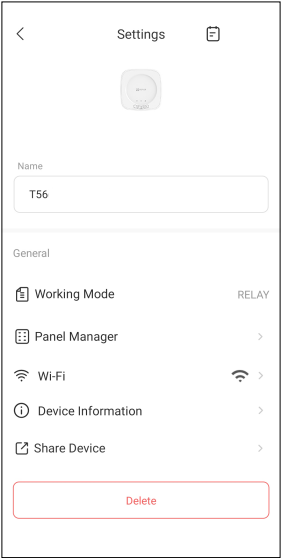
Parameter	Description
Device Name	Customize the name of your device.
Working Mode	You can see the working mode of the device.
Panel Manager	You can manage the thermostat here.
Wi-Fi	You can see the Wi-Fi name that the device has connected to.
Device Information	You can see the device information here.
Share Device	You can share the device to your family members or guests.
Delete	Tap to delete the gateway from EZVIZ App.

2.3 Thermostat Settings
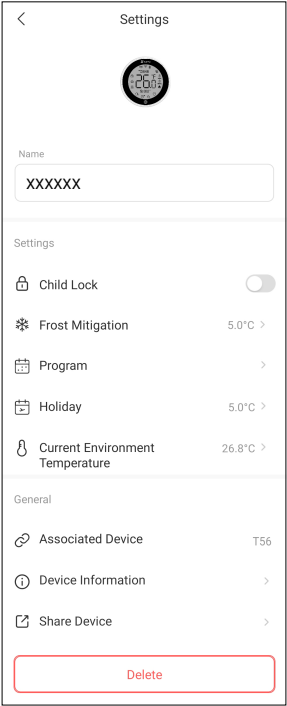
Parameter	Description
Device Name	Customize the name of your device.
Child Lock	Tap to on/off the child lock.
Frost Protection	After enabled, the return pipe will be at a certain temperature so that it will not be frozen.
Program	(Under Auto Mode)Tap to add a new plan to automatically execute it as you set.
Holiday	(Under Holiday Mode)Set a desired temperature when you take a vacation.
Current Environment Temperature	You can set a compensation temperature to correct the actual temperature.
Associated Device	You can see the gateway associated by the device.
Device Information	You can see the device information here.
Share Device	You can share the device to your family members or guests.
Delete	Tap to delete the thermostat.

Specification

Parameter	Description
Power	Thermostat: 5V ⎓ 20mA, 0.1W Max or 3V ⎓ 33mA, 0.1W Max Gateway: 100-240V~, 50/60Hz, 3W Max
Power Source	2 AA batteries (Do not use the rechargeable battery)
Battery Lifetime	Approx. 1 year
Temperature Setting Accuracy	0.5°C
Room Temperature Display Range	-9.9°C to 50°C
Operation Temperature Range	0°C to 45°C
Shipping & Storage Temperature	-10°C to 60°C
IP Class	IP21

ⓘ For additional information about the device, please refer to www.ezviz.com/eu.

INFORMATION FOR PRIVATE HOUSEHOLDS

1. Separate collection of waste equipment: Electrical and electronic equipment that has become waste is referred to as waste equipment. Owners of waste equipment must dispose of it separately from unsorted municipal waste. In particular, waste equipment does not belong in household waste, but in special collection and return systems.

2. Batteries and rechargeable batteries as well as lamps: Owners of waste equipment shall, as a rule, separate waste batteries and rechargeable batteries that are not enclosed in the waste equipment, which can be removed from the waste equipment without being destroyed, from the waste equipment before handing them in at a collection point. This does not apply if waste equipment is prepared for reuse with the participation of a public waste management authority.

3. Options for returning waste equipment: Owners of waste equipment from private households can return it free of charge to the collection points of the public waste management authorities or to the take-back points set up by manufacturers or distributors within the meaning of the Electrical and Electronics Equipment Law. Stores with a sales area of at least 400 m² for electrical and electronic equipment and those grocery stores with a total sales area of at least 800 m² that offer electrical and electronic equipment several times a year or on a permanent basis and make it available in the market are required to take it back. This also applies in the case of distribution using means of distance communication, if the storage and shipping areas for electrical and electronic equipment are at least 400 m² or the total storage and shipping areas are at least 800 m². Distributors shall, in principle, ensure take-back by providing suitable return facilities at a reasonable distance from the respective end user. The possibility of returning waste equipment free of charge exists for distributors who are obliged to take it back, among other things, if a new similar device that essentially fulfills the same functions is delivered to an end user.

4. Privacy Notice: Waste equipment often contains sensitive personal data. This applies in particular to devices of information and telecommunications technology such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the waste equipment to be disposed of.

5. Meaning of the symbol "crossed-out wheelie bin": The symbol of a crossed-out wheelie bin regularly depicted on electrical and electronic equipment indicates that the respective device is to be collected separately from unsorted municipal waste at the end of its service life.