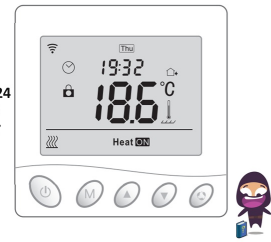**Manuals+** — User Manuals Simplified.

MOES WHT-PJ01-MS-DB24
WiFi Thermostat Room
Temperature Controller

MOES WHT-PJ01-MS-DB24 WiFi Thermostat Room Temperature Controller Owner's Manual
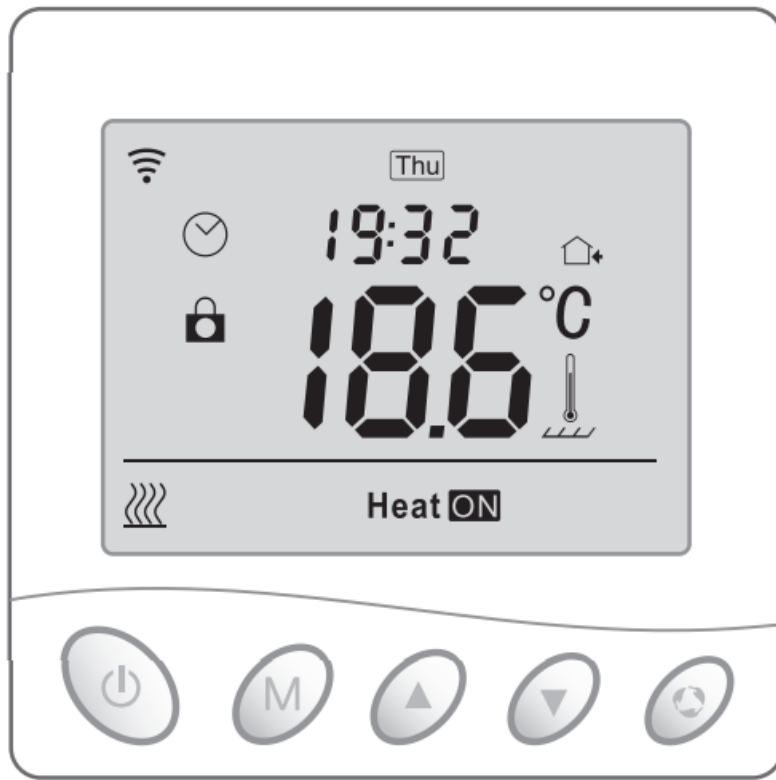
Contents

MOES WHT-PJ01-MS-DB24 WiFi Thermostat Room Temperature Controller

Specifications:

- Product Name: Large LCD Screen Smart Thermostat
- Model Number: WHT-PJ01-MS-DB24
- Compatibility: Water Heating/Boiler/Electric Heating
- Size: 500x190mm
- Supply Voltage: AC100~240V; 50/60Hz
- Power Consumption: 1W Max (Wi-Fi version 1.5W Max)
- Temperature Setting Range: 5~95°C
- External Sensor Upper Limit: 5~60°C (*Only works with All on 2 SEN setting)
- Switch Deviation: 0.5~10, Factory setting 1
- Ambient Temperature Range: -5~50°C
- Protection Level: IP20
- Housing Material: Anti-Flammable PC
- Frequency Band: 2402MHz~2482MHz

Product Usage Instructions

Installation Guidelines:

1. Ensure compatibility with your heating equipment.
2. Turn off power before installation or maintenance.
3. Follow the provided wiring diagram for installation.
4. Use appropriate fasteners when mounting on the wall.
5. Avoid excessive pulling of cables to prevent damage.
6. Bend hard plastic wires to a suitable angle before installation.

7. Professional installation is recommended.

Product Overview:
This smart thermostat is designed for floor heating applications and offers Wi-Fi connectivity for remote control via smartphone or voice commands. It features built-in temperature sensors, weekly programming, and room temperature regulation capabilities.

In the Box:

- Thermostat x1
- Screws x2
- User Guide x1
- (Floor sensor is Optional)

Setting and Usage:
Refer to the user guide for detailed instructions on setting up the thermostat, connecting to Wi-Fi, programming temperature settings, and controlling the device remotely. Ensure proper calibration and testing after installation for safe and effective use.

FAQ:

- **Q: Can I install this thermostat myself?**

  A: It is recommended to arrange for professionals to install the thermostat to ensure proper setup and functionality.
- **Q: What is the external sensor upper limit range?**

  A: The external sensor upper limit range is between 5°C to 60°C, and it functions when choosing the All on 2 SEN setting in advanced settings.

Large LCD screen smart thermostat

WHT-PJOI -MS-DB24
For Water Heating/Boiler/Electric Heating

Thank you for purchasing our products, please read the following terms before installation and use:
Please confirm that this product is suitable for your heating equipment before installation;

- Before installation or maintenance, please make sure to keep the power off;
- Please strictly follow the wiring diagram for wiring installation;
- Installation to the wall, please confirm that the fasteners are suitable for this product;
- Do not pull the cable too hard, otherwise the product will be damaged;
- If a hard plastic wire is used in the installation process, it must be bent to an appropriate angle in advance;
- Please arrange for professionals to install;
- Please contact the after—sales service for equipment failure, please do not try to repair it yourself;
- After installation, please refer to this manual to check again to ensure normal and safe use, and keep this manual properly.

Product overview

This series of thermostats are designed to meet the different scenarios of floor heating application. Wi—Fi version supports remote control including smart phone control and voice control. Thanks to built-in temperature sensors and weekly programming setting, the desired temperature can be comfortably adjusted. With the device, you can conveniently regulate the room temperature.

In the box you will find

- Thermostat 1 pc
- Screws 2pc

User Guide 1 pc (Floor sensor is Optional)

Technical data

- **Supply voltage:** ACIOO-240V; 50/60Hz
- **Power consumption:** IW Max (Wi—Fi version 1.5W Max)
- **Temperature setting range**: 5-950
- **External sensor upper limit**: 5-600 (*It only works when choosing All on 2 SEN in advanced setting)
- **Switch deviation:** 0.5—100, Factory setting IC
- **Ambient temperature:** —5-500
- **Protection level:** IP20
- **Housing material:** Anti—Flammable PC
- **Frequency Band:** 2402MHz-2482MHz
- **Maximum Radio Transmit Power**: <20dBm

Features

√ Customized exclusive temperature plan — up to 6 events allowed to set per day
√ Sail shape design—delicate and elegant
√ Large LCD screen—better user experience

Dimension:(mm)
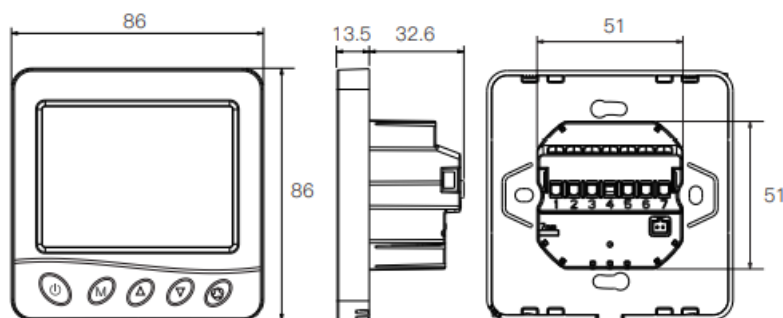
Before wiring and installing

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.

2. Check the rathings given in the instructions and on the product to make sure the product is suitable for your application.

3. Installer must be a trained, experienced service technician.

4. After installation is complete, check out product operation as provided in these instructions.

5. The thermostat operates in full capacity in areas with the altitude of less than 2500m above sea level. Power rating of external load should be less than or equal to 80% rated power of the thermostat in areas with altitudes of 2500m to 4200m.

CAUTION
Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.
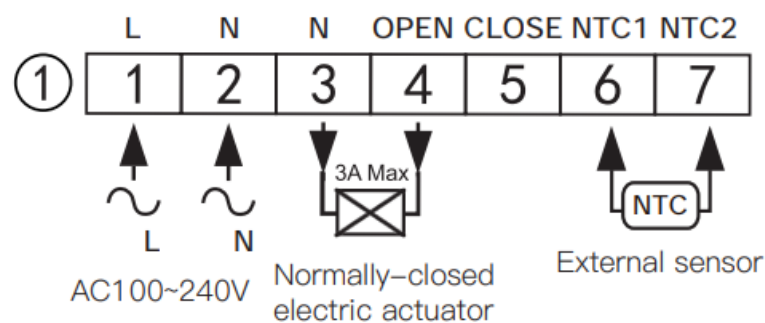
Sensor failure
Please connect the sensor correctly according to your sensor selection setting. When it shows an ErO/Er1 error, thermostat will stay power—off till the error is eliminated.
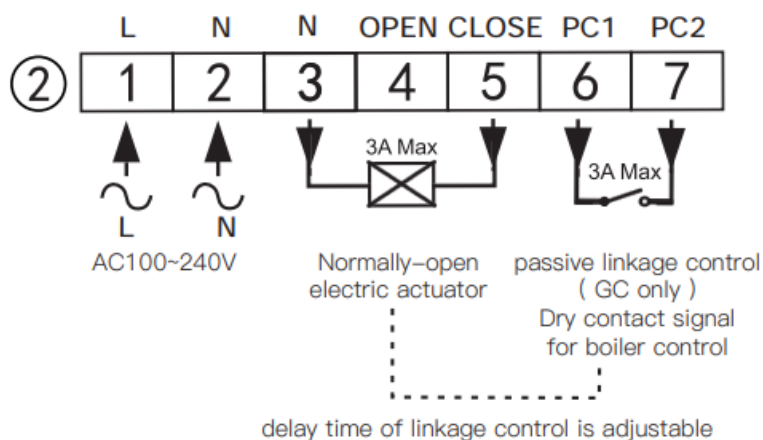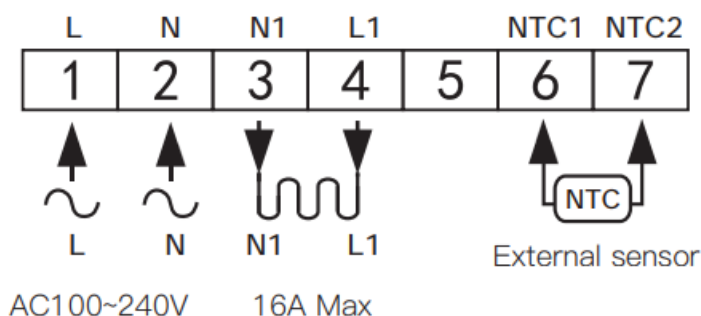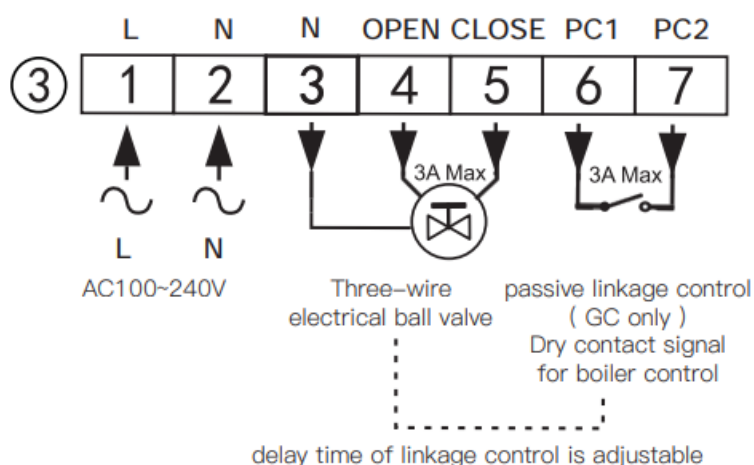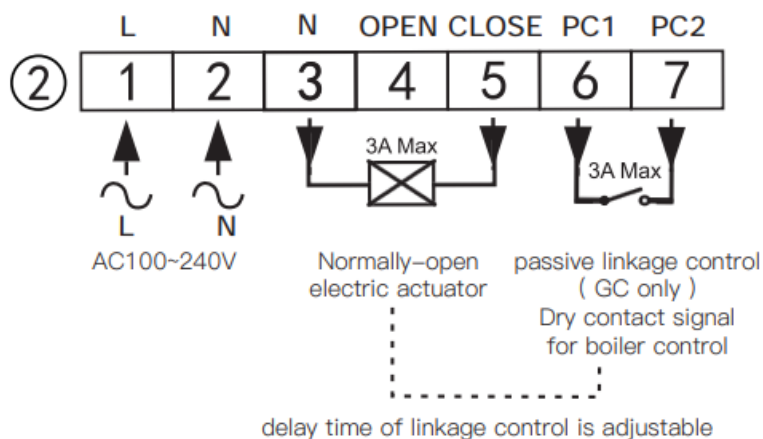
- Er0: Built—in sensor is short-circuited or disconnected.
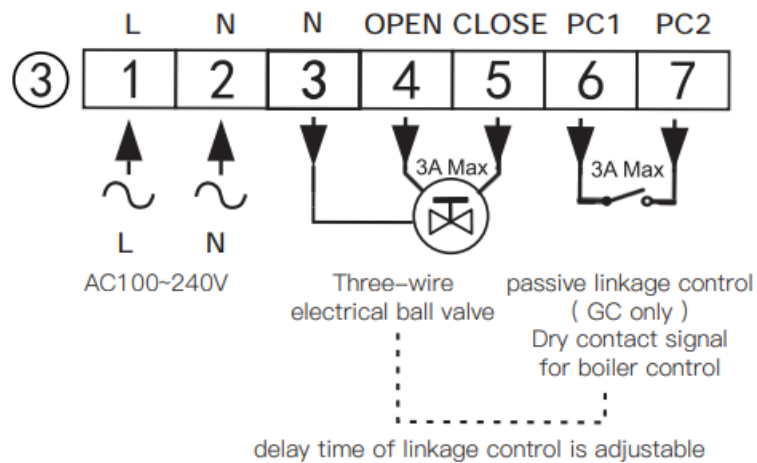- Erl : External sensor is short-circuited or disconnected.

Wiring
Note:

- GA is for water heating;
- water/gas boiler.
- GB is for electric heating; GC is for

	L	N	N	OPEN	CLOSE	PC1	PC2
②	1	2	3	4	5	6	7

3A Max

3A Max

AC100~240V

Normally–open
electric actuator

passive linkage control
(GC only)
Dry contact signal
for boiler control

delay time of linkage control is adjustable

	L	N	N	OPEN	CLOSE	PC1	PC2
③	1	2	3	4	5	6	7

3A Max

3A Max

AC100~240V

Three–wire
electrical ball valve

passive linkage control
(GC only)
Dry contact signal
for boiler control

delay time of linkage control is adjustable

L	N	N1	L1		NTC1	NTC2
1	2	3	4	5	6	7

L   N   N1   L1

NTC

External sensor

AC100~240V   16A Max

	L	N	N	OPEN	CLOSE	PC1	PC2
②	1	2	3	4	5	6	7

3A Max

3A Max

AC100~240V

Normally–open
electric actuator

passive linkage control
(GC only)
Dry contact signal
for boiler control

delay time of linkage control is adjustable

	L	N	N	OPEN	CLOSE	PC1	PC2
③	1	2	3	4	5	6	7

L N
AC100~240V

3A Max

3A Max

Three—wire
electrical ball valve

passive linkage control
(GC only)
Dry contact signal
for boiler control
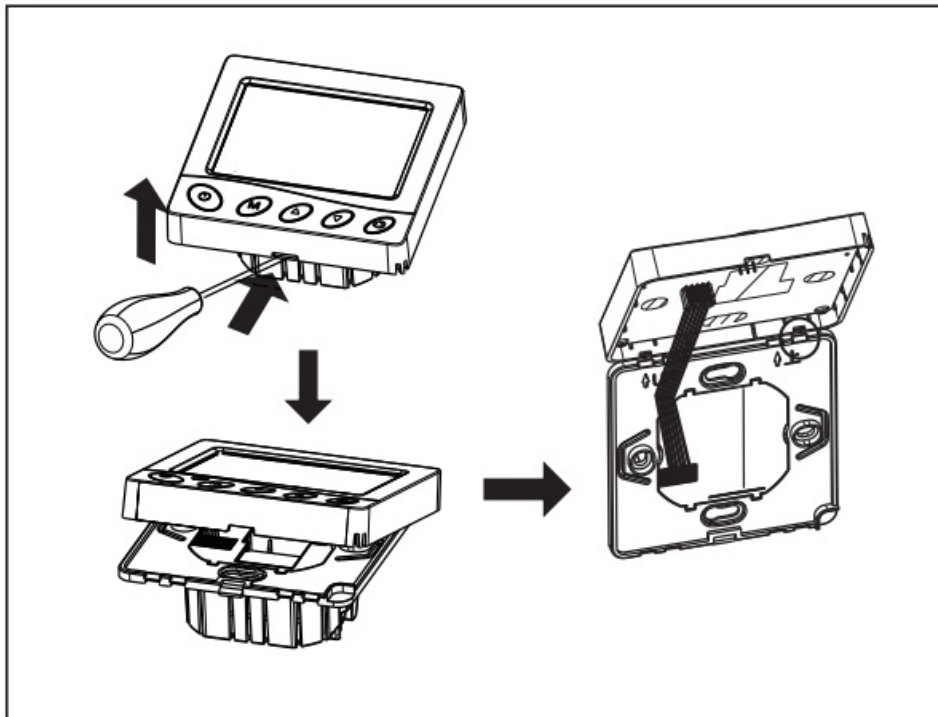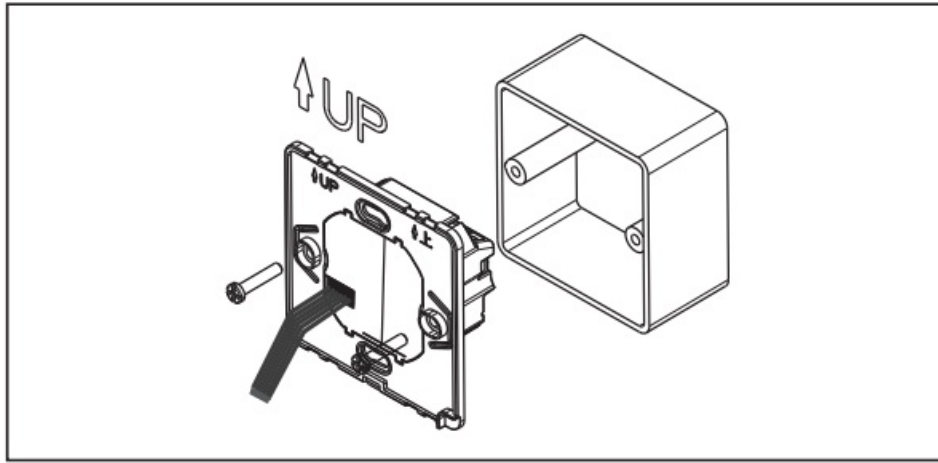
delay time of linkage control is adjustable

Installation

The thermostat adopt pre—guide and limited snap-fit design. It is easy to mount.

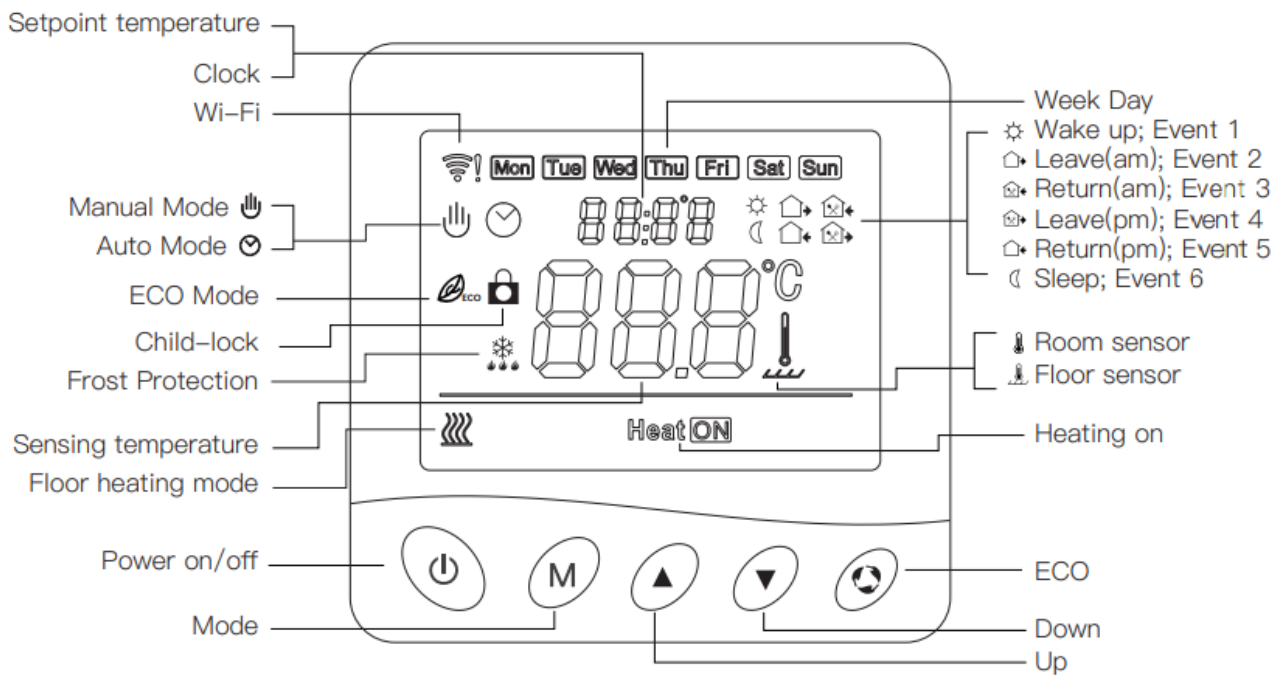1. Release front cover by inserting a head screw—driver into bottom crack.

2. Connect wires to terminal block per the wiring schematic according to wiring diagram.(Suggested copper wire length is 7—9mm.)

3. Attach the thermostat base to wall—cassette by two mounting screws After attaching it, make sure there is no deformation on thermostat. (Suggested torque is 0.2—0.4N.m (2.0—4.1 kgf. cm).)

4. Re—mount the front cover via snap-fit connection.

Display symbols

Setpoint temperature	
Clock	
Wi–Fi	Week Day
	☼ Wake up; Event 1
	⌂⁺ Leave(am); Event 2
Manual Mode	⌂⁺ Return(am); Event 3
Auto Mode	⌂⁺ Leave(pm); Event 4
ECO Mode	⌂⁺ Return(pm); Event 5
Child–lock	☾ Sleep; Event 6
Frost Protection	Room sensor
	Floor sensor
Sensing temperature	Heating on
Floor heating mode	
Power on/off	ECO
Mode	Down
	Up
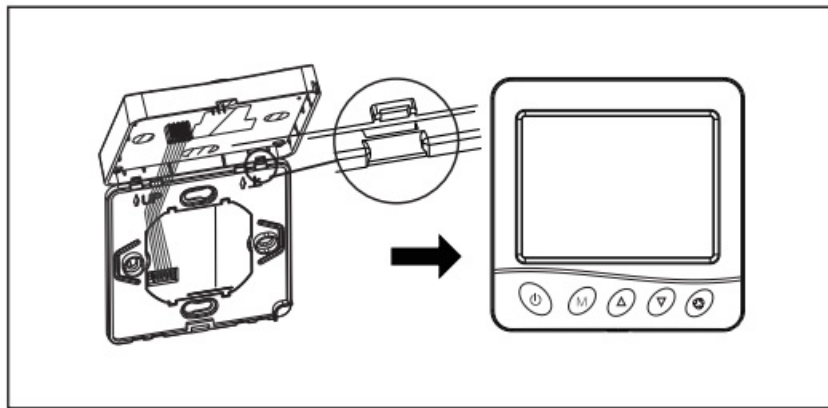
User operation
Power on/off

Press " ⏻ " shortly,the thermostat will be turn on/of.

Time setting

Press and hold " ⚙ " for 3 seconds to enter time setting, and adjust it as follows:

Choose modified item by pressing " ⚙ " and set the week day and clock by pressing " ▲ "or " ▼ ". Finally, confirm by pressing " ⏻ " shortly.Temperature setting

Temperature setting

Press " ▲ " or " ▼ " shortly to increase or decrease set point temperature by 0.50C.Child-lock

Child-lock

Press and hold " ▲ " + " ▼ " for 3 seconds to activate child—lock, the thermostat can be locked. Press and hold both keys again to deactivate child—lock.

Wi—Fi config (Wi—Fi version only)

Press and hold " ⚙ " for 3 seconds to enter WiFi config during power off, and add the thermostat on Tuya Smart/Smart Life APP.

Temperature Control Mode
Press **"M"** shortly to switch between manual mode and auto mode.

- ✋ Manual Mode: The temperature is controlled in accordance with the current temperature set via " ▲ " or " ▼ " It remains activated until the next manual change.

- ● 🕐 **Auto mode**: The temperature is controlled in accordance with the set heating profile.Manual changes are activated until the next point at which the profile changes(" 🕐 ✋ " is displayed on the screen). Afterward, the defined heating profile will be activated again.

Weekly programming setting
For weekdays and weekends up to 6 heating events with individual temperature settings can be saved with the thermostat. Press and hold "M" for 3 seconds to enter weekly programming setting, adjust it as follow:

- Choose modified item by pressing **"M"**, and set the week day, clock and temperature by pressing " ▲ ", or " ▼ " Finally confirm by pressing " ⏻ " shortly.

Events		Symbols	Time		Temperature	
			Default Value	Modify	Default Value	Modify
Weekdays	1	☼	06:00	Press "▲" or "▼"	20°C	Press "▲" or "▼"
	2	🏠→	08:00		15°C	
	3	🏠←	11:30		15°C	
	4	🏠→	12:30		15°C	
	5	🏠←	17:00		22°C	
	6	☾	22:00		15°C	
Weekends	1	☼	08:00		20°C	
	2	☾	22:00		15°C	

ECO mode

" 🌑 "

Press   shortly to enter ECO mode, and the temperature will be set to 18°C.

Advanced Setting (Usually for Professional Technicians)

During power-off, press and hold "M" for 3 seconds to enter advanced setting mode then re-press "M" to switch to

next setting item. Finally, confirm by pressing   " ⏻ "   shortly

Code	Meaning	"▲" or "▼"	Default Value	Floor Heating		
				GA	GB	GC
1ADJ	Temp. calibration	-9.9~9.9°C	0°C	√	√√	
2SEN	Sensor selection	IN: Temp. control based on built-in sensor OUT: Temp. control based on external sensor ALL: Temp. control based on built-in sensor and limited by external sensor	IN	√	√	×
3LIT	External sensor upper limit	5~60°C	35°C	√	√	×
4DIF	Switch deviation	0.5~10°C	1°C	√	√	√

5LTP	Frost protection	ON: frost protection on OFF: frost protection off	OFF	√	√	√
6PRG	Weekly programming setting	12345: 5+2 week mode 123456: 6+1 week mode 1234567: 7+0 week mode	12345	√	√	√
8DLY	Delay time of passive linkage control	0~5min	0	×	×	√
9HIT	Temp. upper limit	5~95°C	50°C	√	√	√
AFAC	Restore factory settings	Press and hold "▲" for 3 seconds	/	√	√	√

About WIFI
WI-FI connection
Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings through your smartphone or tablet. This will allow communication between
your connecteddevices.

**Step 1 Download MOES App on App store or scan the QR code**

MOES App is upgraded as much more compatibility than Tuya Smart/Smart Life App, functional well for scenes controlled by Siri, widgets and scene recommendations as the fully new customized service.
(Note: Tuya Smart/Smart Life App still works, but MOES App is highly recommended)

Registration or Log in.

- Download "MOES" Application.
- Enter the Register/Login interface; tap "Register" to create an account by entering your phone number to get verifica— tion code and "Set password". Choose "Log in" if you already have a MOES account.

Step 2 Connect the thermostat
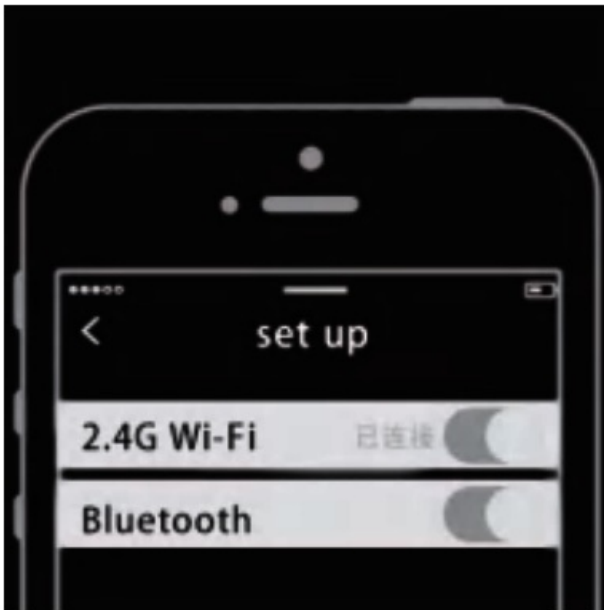
1. Make sure your phone is connected to 2.4G Wi-Fi and the Bluetooth is enabled.
2. Enter the MOS APP, click the "+" icon in the upper right corner.
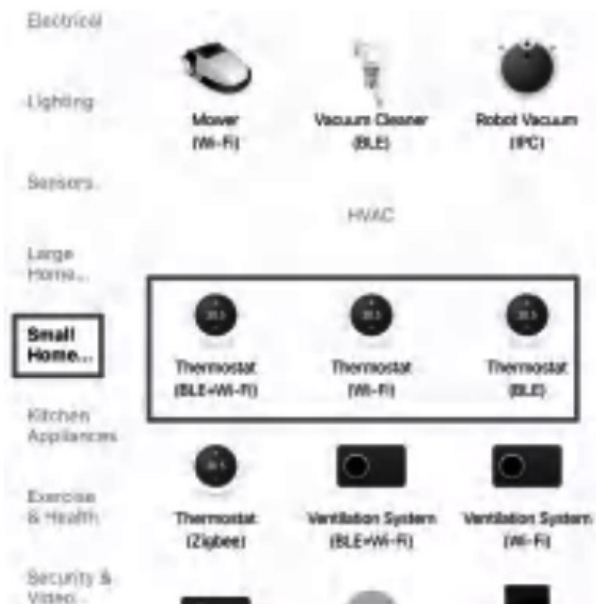
3. Click on "Small Home Appliances" and find "Thermostat"
4. Select network distribution mode:

Network distribution mode:

1. Bluetooth Mode (BLINK Quickly) When the thermostat is off, press and hold the " $\bigodot$ " until the thermostat
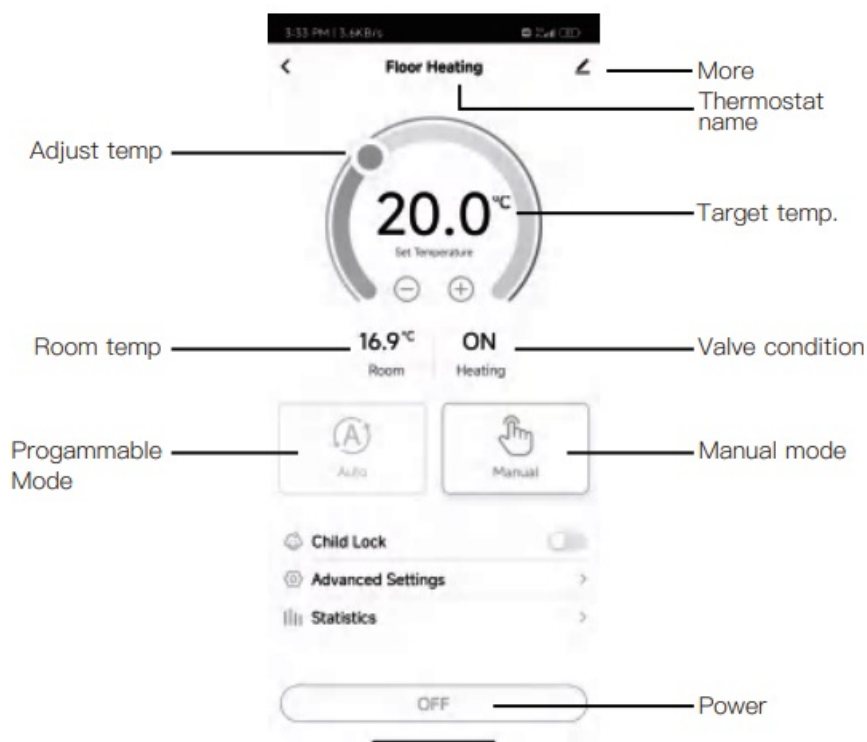
screen flashes quickly and displays the " 📶 " icon, and then operate according to the following figure.
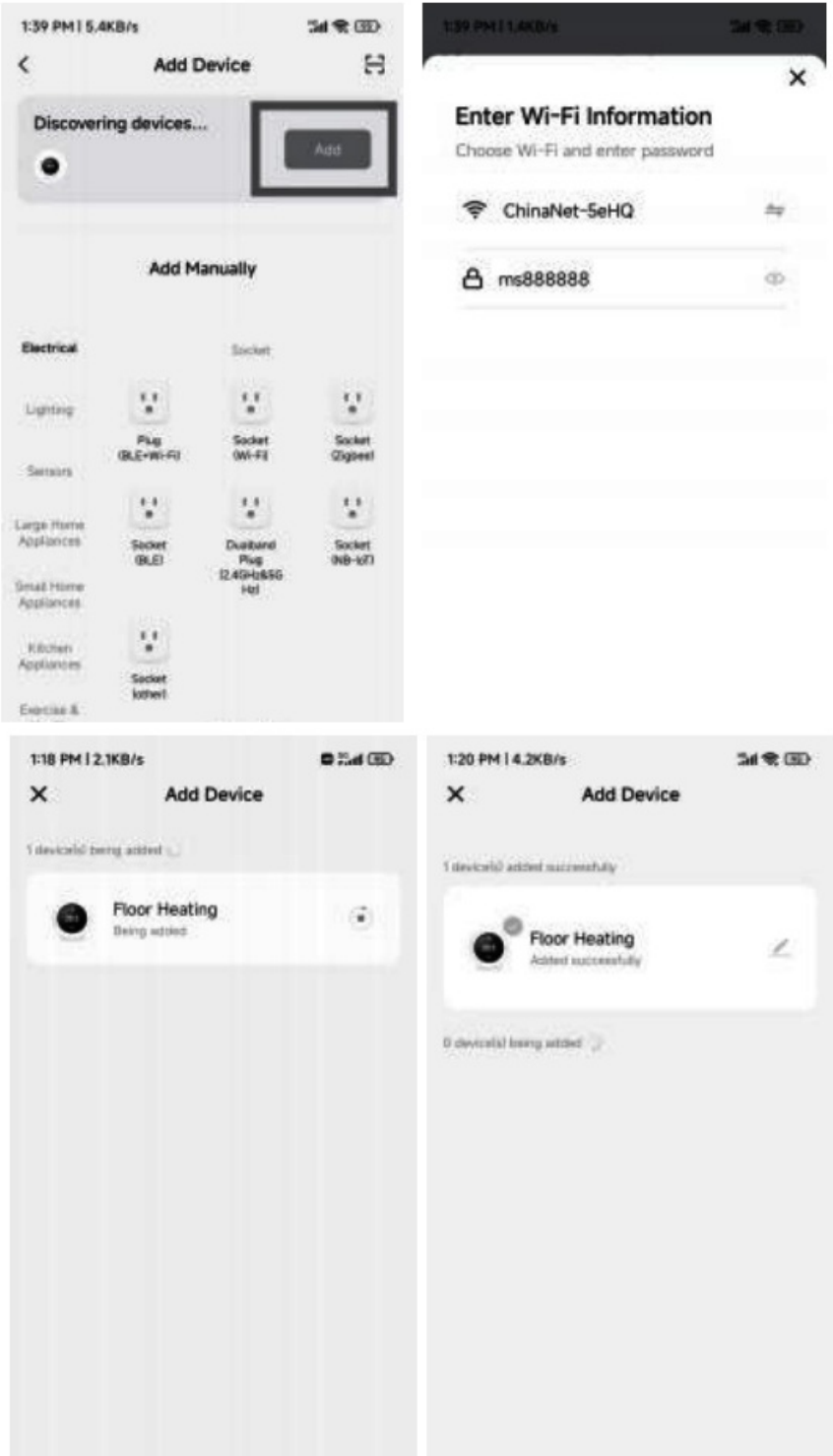
③

④

APP operation interface description (heating thermostat)

Declaration of conformity

Hereby,WENZHOU NOVA NEW ENERGY CO.,LTD declares that the radio equipment type R3W is in compliance with Directive 2014/53/EU,2014/35/EU, 2014/30/EU, 2011/65/EU.

The full text of the EU declaration of conformity is available at the following internet address:

https://www.moestech.com/blogs/news/wht-pj01

SERVICE

Thank you for your trust and support to our products, we will provide you with a two—year worry—free after-sales service (freight is not included), please do not alter this warranty

service card, to safeguard your legitimate rights and interests. If you need service or have any questions, please consult the distributor or contact us.

Product quality problems occur within 24 months from the date of receipt, please prepare the product and the packaging, applying for after-sales maintenance in the site

or store where you purchase; If the product is damaged due to personal reasons, a certain amount of maintenance fee shall be charged for repair.

We have the right to refuse to provide warranty service if:

1. Products with damaged appearance, missing LOGO or beyond the service term

2. Products that are disassembled, injured, privately repaired, modified or have missing parts

3. The circuit is burned or the data cable or power interface is damaged

4. Products damaged by foreign matter intrusion (including but not limited to various forms of fluid, sand, dust, soot, etc.)

RECYCLING INFORMATION

All products marked with the symbol for separate collection of waste electrical and electronic equipment (WEEE Directive 201 2/1 9 / EU) must be disposed of separately from unsorted municipal waste. To protect your health and the environment, this equipment must be disposed of at designated collection points for electrical and electronic equipment designated by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences for the environment and human health. To find out where these collection points are and how they work, contact the installer or your local authority.

WARRANTY CARD

- Product Information
- Product Name
- Product Type
- Purchase Date
- Warranty Period
- Dealer Information
- Customer's Name
- Customer Phone
- Customer Address

Maintenance Records

Failure date	Cause Of Issue	Fault Content	Principal

Thank you for your support and purchase at we Moes, we are always here for your complete satisfaction, just feel free to share your great shopping experience with us.

★ ★ ★ ★ ★

If you have any other need, please do not hesitate to contact us first, we will try to meet your demand.
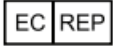
@moessmart
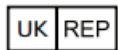
@moes_smart

MOES.Official

@moes_smart

@moes_smart

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- Tel: +86-577-57186815
- Email: **service@moeshouse.com**

Documents / Resources

	MOES WHT-PJ01-MS-DB24 WiFi Thermostat Room Temperature Controller [pdf] Owner's Manual WHT-PJ01-MS-DB24, WHT-PJ01-MS-DB24 WiFi Thermostat Room Temperature Controller, WHT-PJ01-MS-DB24, WiFi Thermostat Room Temperature Controller, Thermostat Room Temperature Controller, Room Temperature Controller, Temperature Controller, Controller

References

- M **MOES Smart: Create Your Smart Life With Smart Home Devices**
- **User Manual**