

# Instruction Manual

## WHT-009 Smart Knob Thermostat WiFi type



**English**

## Mehr Inhalte

Scannen Sie den QR-Code, um das elektr-onische Handbuch in der entsprechenden Sprache für mehr Inhalte.



## Más contenido

Escanee el código QR para obtener el manual electrónico en el idioma correspondiente para más contenido.



## Plus de contenu

Scannez le code QR pour obtenir le manuel électronique dans la langue correspondante pour plus de contenu.



## Altri contenuti

Scansionare il codice QR per ottenere il manuale elettronico nella lingua corrispondente per Più contenuti.



## Mais conteúdo

Digitalizar o código QR para obter o manual eletrônico no idioma correspondente para mais conteúdo.



## Больше контента

Сканируйте QR-код, чтобы получить электронное руководство на соответствующем языке для Больше контента.



## Więcej treści

Skanuj kod QR, aby uzyskać elektroniczną instrukcję w odpowiednim języku więcej treści.



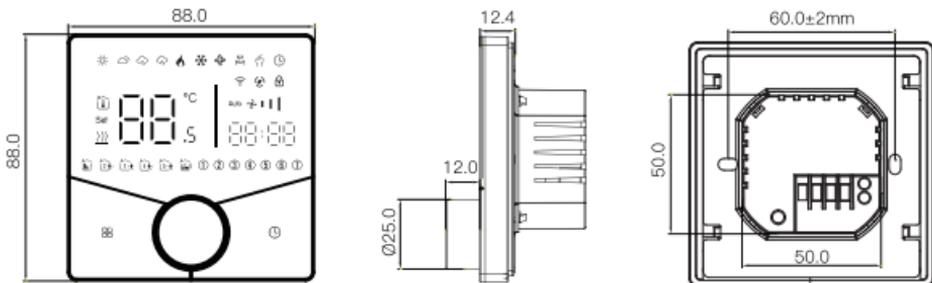
## In the box you will find

Thermostat 1pc   Screws                    2pc   User Guide 1pc  
QC Passed 1pc   Floor Sensor 1pc   (Floor Sensor is Optional)

## About your thermostats

The WHT-009 range has been developed to control electric underfloor, water heating or water/gas boiler system. These units are designed for use in commercial, industrial, civil and domestic properties.

## Dimension (Unit:mm)



## Technical data

Model: WHT-009

Power Supply: 95 ~240 VAC, 50~60Hz or 24V DC/AC,50~60Hz

Please check the information laser printed on the back of the thermostat for the actual voltage.

Current Load: 5A (water heating, water/gas boiler),  
16A (electric heating)

Sensor: NTC3950, 10K

Accuracy:  $\pm 1^{\circ}\text{C}$

Set Temp. Range: 5-35 $^{\circ}\text{C}$

Room Temp. Range: 5-99 $^{\circ}\text{C}$

Display Temp. Range: 5 ~ 99 $^{\circ}\text{C}$

Ambient Temp.: 0~ 45 $^{\circ}\text{C}$

Ambient Humidity: 5 ~ 95 % RH (Non Condensing)

Storage Temp.: -5~ 45 $^{\circ}\text{C}$

Power Consumption: <1.5W

Timing Error: < 1%

Shell Material: PC +ABS ( Fireproof)

Installation Box: 86 \* 86mm Square or European 60mm Round Box

Wire Terminals: Wire 2 x 1.5 mm<sup>2</sup> or 1 x 2.5 mm<sup>2</sup>

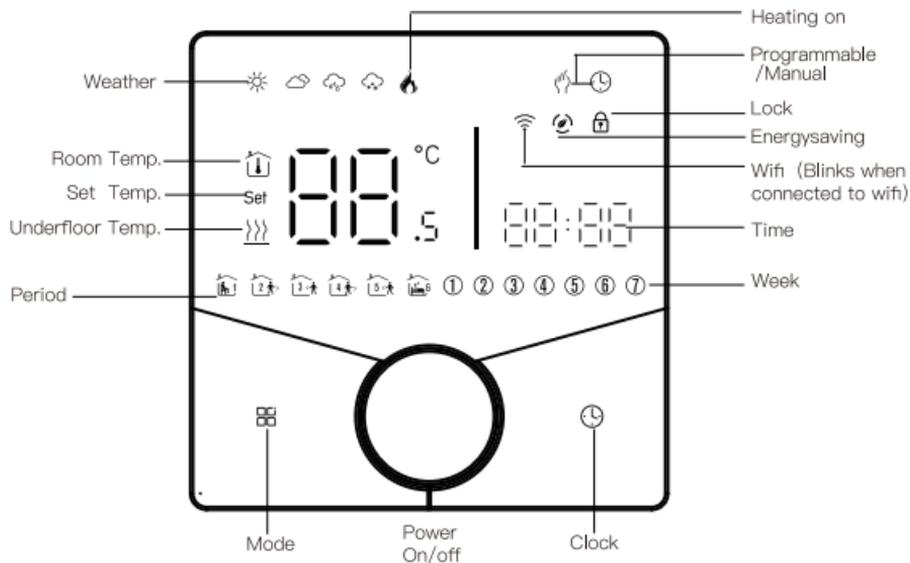
Protection Class: IP20

Buttons: Capacitive Touch Buttons

Frequency Band: 2412~2484Hz

Maximum Radio Transmit Power: <+16dBm

# Home screen quick reference



## Before wiring and install

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



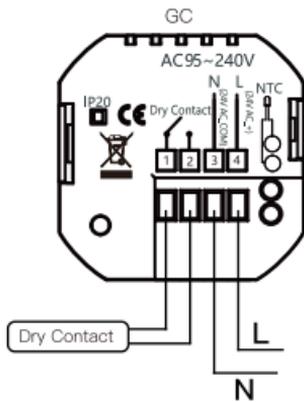
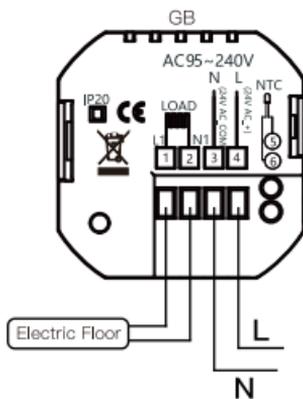
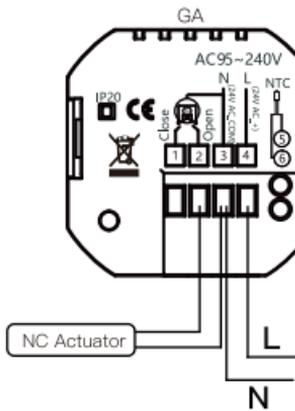
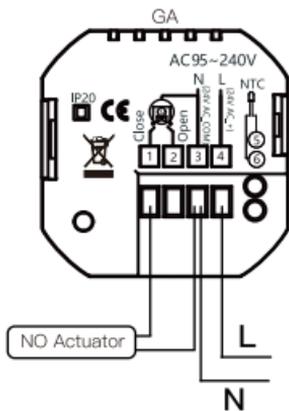
### Warnings

**Electrical Shock or Equipment Damage Hazard.**  
**Can shock individuals or short equipment circuitry.**  
**Disconnect power supply before installation.**

## Wiring

Note:

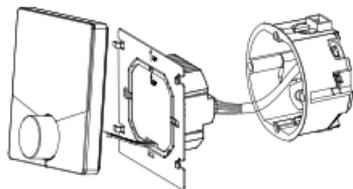
GA is for water heating; GB is for electric heating; GC is for water/gas boiler; If your boiler has more than three wires, please feel free to contact us and we will answer the correct installation method for you. NTC and Modbus is optional.



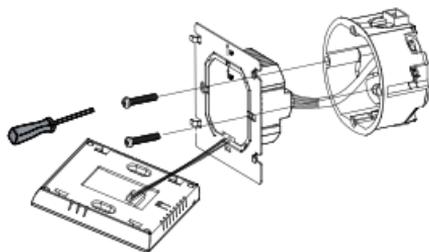
# Installation

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.

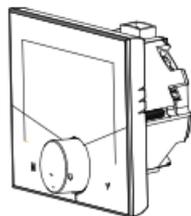
1. Accurately connect the power cable to the power terminal box.



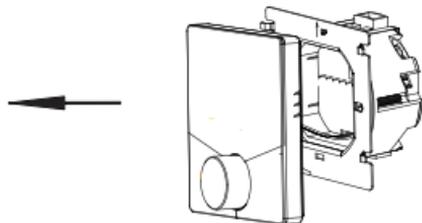
2. Fix the mounting plate on the cassette with a screwdriver through two screws.



4. Installation completed



3. Hang the control panel onto the mounting plate



# Operation

During Power On

1.Power On/off: Press the knob to turn the thermostat on/off.

2.Manual & Programmable

Touch  to change between manual mode  and programme mode  .

In manual mode, will show on the display,

In programmable mode, will show on the display.

3.Setting Temperature

In the programming mode, the temperature setting and time setting will be locked. If the user wants to adjust, he must first adjust the thermostat to manual mode by pressing the “” key.

In the manual mode, pthe desired temperature can be set by turning the knob.

4.Adjusting/Setting the Clock

Press “” to set minute, hour and weekday. and adjust the values by turning the knob.

Press “” once more to confirm and exit.

5.Locking your Thermostat

Press and hold the “” and “” for 5 seconds to lock/unlock your thermostat.

In item 3 of high senior options, you can select full lock or half lock.

6.Adjusting/Setting the Programmable Schedules

Press icon “” four times in a row. You can see “MON TUE

WED YHU FRI” and “🕒”, and the minutes of time are flashing.

Turning the knob to set the minutes;

Press the icon “🕒” again, the hour of the time will flash, set the hour by turning the knob;

Press the icon “🌡️” again, the temperature setting will flash, set the temperature turning the knob;

This completes the setting of periods1.

In the same way, complete the settings of periods2, 3, 4,5and 6.

Press the icon “🕒” once more to enter the Saturday schedule settings (you will see the SAT of the screen).Repeat the above process to set the period and temp. and Sunday schedule.

Press the icon “🕒” once more to confirm and exit.

## Default settings for program schedule

Time display	MON.-FRI. (①②③④⑤shows on scteen)		SAT. (⑥ shows on scteen)		SUN. (⑦ shows on scteen)	
	TIME	TEMP.	ON TIME	TEMP.	ON TIME	TEMP.
Period 1	6:00~8:00	20	6:00~8:00	20	6:00~8:00	20
Period 2	8:00~11:30	15	8:00~11:30	20	8:00~11:30	20
Period 3	11:30~13:00	15	11:30~13:00	20	11:30~13:00	20
Period 4	13:30~17:00	15	13:30~17:00	20	13:30~17:00	20
Period 5	17:00~22:00	22	17:00~22:00	20	17:00~22:00	20
Period 6	22:00~6:00	15	22:00~6:00	15	22:00~6:00	15

A separate schedule may be set for weekdays (Mon – Fri) and for weekends (Sat or Sun).

## 7. Checking the Temperature of Floor Sensor

Press and hold the “⌚” arrow for 5 seconds to display the temp. of floor sensor. If no external sensor is connected, the thermostat will display “err”. Note: Do not use third-party external sensors, the temperature will be incorrect.

## 8. Setting the Functions and Options

During power off, Press and hold “⌚” and “⌚” for 8 sec. in the order to reach system function. Then press “⌚” to scroll through the available functions, and use turning the knob to change the available options. All settings are confirmed automatically.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9°C (for internal sensor)	-3
2	Deadzone Temperature	1-5°C	01
3	Button Locking	00: All buttons are locked except power button. 01: All buttons are locked.	01
4	Sensor typer	In: Internal Sensor (to control the temp.) Ou: External Sensor (to control the temp.) AL: Internal/External Sensor (Internal sensor to control the temp., external sensor to limit the temp.)	AL
5	Min. Set Temp.	5-15°C	05
6	Max. Set Temp.	15-45°C	35
7	Display Mode	00 : Display both set temp and room temp. 01 : Display set temp only	00

8	Low temperature protection setting.	0-10°C	00
9	High temperature protection setting.	25-70°C	45
10	Economy Mode	00:Non-energy saving mode 01:Energy saving mode	00
11	Economy Temp	0-30°C	20
12	Daytime display brightness (6:00-22:00)	0-8	Whenset to 0, the device will run for 10 seconds after inactivity. The screen will go completely off with no display.
13	Brightness at night (22:00-6:00)	0-8	
14	Screen line standby brightness	1-5	01
15	Reset	00: No factory reset; 01: Factory reset	00
16	Version number		U1

## 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 connected devices.

**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 scene controlled by Siri, widget and scene recommendations as the fully new customized service.

(Note: Tuya Smart/Smart Life App still works, but MOES App is highly recommended)

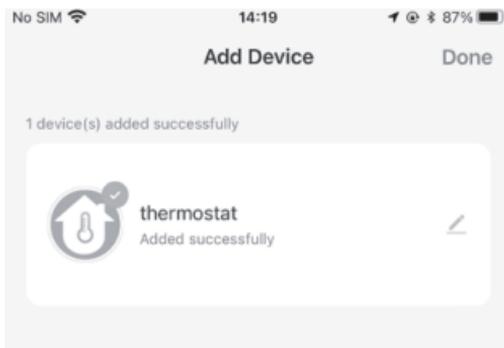
### **Registration or Log in.**

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

## Step 2 Connect the thermostat

1. Open MOES App, then the prompt page will automatically show on the screen. Click “Add”, Select the device you want to add and click “+”.

2. Enter Wi-Fi Password and click “Next”, waiting for completing the connection. Add the device successfully, you can edit the name of the device to enter the device page by click “Done” .

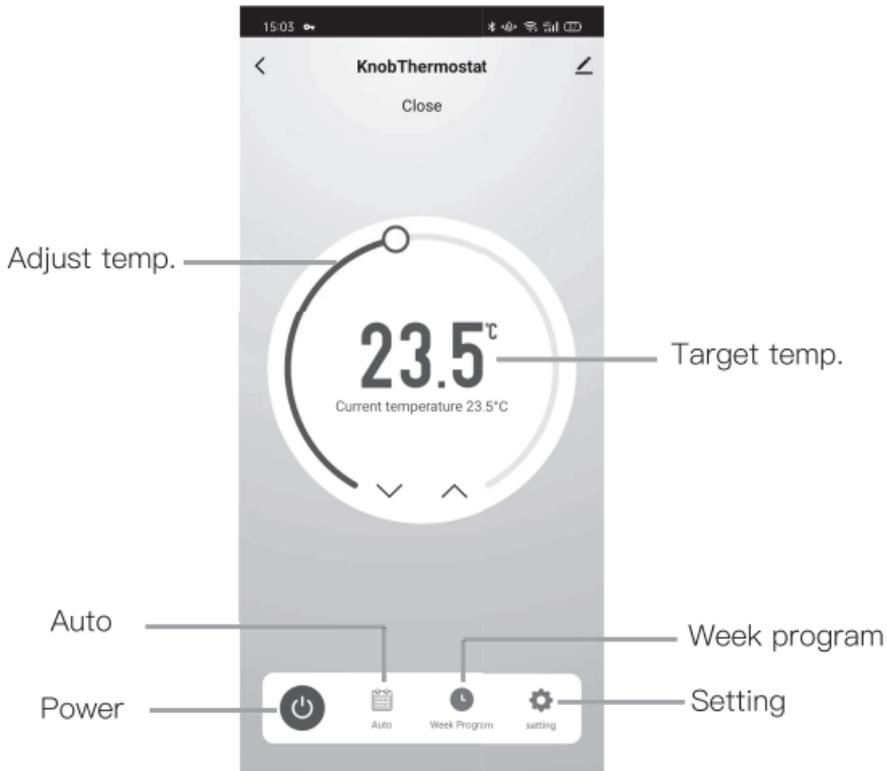


3. enjoy your smart life with home automation.

## How to reset/repair Wi-Fi code

When the thermostat is off, press and hold the “⌚” until the thermostat screen flashes and the “🌀” icon is displayed. (if the “📶” icon appears, continue to press the “⌚” until the thermostat screen Flashes and displays the “🌀” icon).

# APP operation interface description (heating thermostat)



## Simple exception handling

No.	Phenomenons	Handling
1	Power is on but without display.	*Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Use a new LC panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little different from the actual.	* Do temperature calibration in item 1 of high senior options

## Control your home with your voice

Devices are compatible with Amazon Alexa and Google Home supported functionalities. Please see our step-by-step guide on: <https://www.moestech.com/blogs/news/smart-device-linked-voice-speaker>

## Trouble shooting

If you have problems installing or operating your device, please review its product data sheet: <https://www.moestech.com/blogs/news/wht-009>

## Declaration of conformity

Hereby, WENZHOU NOVA NEW ENERGY CO., LTD declares that the radio equipment type WHT-009 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-009>

# WARRANTY INSTRUCTIONS

Dear Sir or Madam, thank you for purchasing the product.

We hope you'll enjoy using it.

The warranty for the products in the warranty card is hereby granted as follows.

As a condition of using the warranty, you must comply with the following terms and procedures:

1. Products are covered by a 24-month warranty, effective from the date of purchase of the covered product by a retail customer.
2. In order to exercise warranty rights, the purchaser must present:  
a) Warranty card, b) Proof of purchase (VAT invoice, financial receipt or other document confirming the actual date of purchase), unless the purchase date of the product comes from the warranty card.
3. If product quality problems occur within 24 months from the date of receipt, please prepare the product and packaging and go to the place or store where you purchased it to apply for after-sales maintenance. If the product is damaged due to personal reasons, a certain maintenance fee will be charged.
4. We recommend that you properly protect the goods when delivering them to the guarantor – for this purpose, we recommend that you use the original packaging with padding to ensure safe transportation. If you choose to use replacement

packaging, we recommend that you ensure that the product is adequately protected from damage during shipping. We recommend that you place an appropriate sticker on your packaging indicating the product's susceptibility to impact, such as "Warning Glass".

5. Reported defects covered by the warranty will be considered immediately and no later than 14 days from the date of delivery of the goods to the Guarantor.

6. After checking and determining the legality of the warranty claim, the Guarantor's services will repair the product within a reasonable time, not exceeding 30 days from the date of delivery of the goods to the Guarantor. However, if hard-to-find spare parts are required, this deadline may extend the time it takes to deliver the part from the manufacturer's factory.

7. The warranty does not include the performance of maintenance and similar operations specified in the user manual, and users are obliged to do it themselves.

8. If defects occur due to natural wear and tear during use, the warranty does not cover it.

9. The warranty does not cover:

a) Mechanical damage caused by the user's fault and product defects caused by such damage.

b) Damage caused by improper use of the product.

10. The rights under the guarantee will expire in the following

circumstances:

- a) Remove the warranty seal from the product.
- b) Remove the serial number from the product.
- c) Take action to eliminate physical defects in the product outside of authorized service.
- d) Use non-original parts and consumables.

## RECYCLING INFORMATION

All products marked with the symbol for separate collection of waste electrical and electronic equipment (WEEE Directive 2012/19 / 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.



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Made In China



Manufacturer:

WENZHOU NOVA NEW ENERGY CO.,LTD

Address: Power Science and Technology Innovation

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Development Zone, Yueqing, Zhejiang, China

Tel: +86-577-57186815

After-sale Service: [service@moeshouse.com](mailto:service@moeshouse.com)

# Руководство по эксплуатации (Русский язык)

## Технические данные

Модель: WHT-009

Питание: 95 ~240 VAC, 50~60Hz or 24V DC/AC,50~60Hz

Пожалуйста, проверьте информацию, напечатанную на обратной стороне

Термостат для фактического напряжения.

Нагрузка тока: 5A (нагревание воды, котел Water/gas),

16A (электрическое отопление)

Датчик: NTC3950, 10K

Точность:  $\pm 1^{\circ}\text{C}$

Установить температуру. Диапазон: 5–35°C

Комнатная температура. Диапазон: 5–99°C

Отображать температуру. Диапазон: 5 ~ 99°C

Окружающая температура: 0~ 45°C

Влажность окружающей среды: 5 ~ 95 % RH (не конденсирование)

Температура хранения: -5~ 45°C

Потребление энергии: <1. 5W

Ошибка времени:< 1%

Материал оболочки: PC +ABS (огнеупорная)

Установка: 86 \* 86 мм квадратная или европейская круглая коробка

Клеммы провода: проволока 2 x 1.5 mm<sup>2</sup> or 1 x 2.5 mm<sup>2</sup>

Класс защиты: IP20

Кнопки: емкостные сенсорные кнопки

Полоса частоты: 2412~2484Hz

Максимальная мощность радиопередачи: <+16dBm



## Предупреждения

Электрический удар или опасность повреждения оборудования. Могут ударить Shockindividuals или короткое оборудование.

## Декларация соответствия

Настоящим компания WENZHOU NOVA NEW ENERGY CO.,LTD заявляет, что тип радиооборудования WHT-009 соответствует Директивам 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU.

Полный текст декларации соответствия ЕС доступен по следующему интернет-адресу:

<https://www.moestech.com/blogs/news/wht-009>

## ГАРАНТИЯ

Уважаемый господин / госпожа, спасибо за покупку этого продукта.

Надеемся, вам понравится его использовать.

Гарантия на продукцию, указанную в гарантийной карте, предоставляется следующим образом.

В качестве условия использования гарантии вы должны соблюдать следующие условия и процедуры:

1. Гарантийный срок на продукцию составляет 24 месяца и вступает в силу с даты покупки гарантийного продукта розничным клиентом.

2. Для осуществления гарантийного права покупатель должен предъявить: а) гарантийную карту, б) свидетельство о покупке (счет – фактуру НДС, финансовую квитанцию или другой документ, подтверждающий фактическую дату покупки), если только дата покупки продукта не получена из гарантийной карты.

3. В случае возникновения проблем с качеством продукции в течение 24 месяцев с даты получения, подготовьте продукт и упаковку и отправляйтесь в место покупки или магазин для послепродажного ремонта. Если продукт поврежден по личным причинам, взимается определенная плата за техническое обслуживание.

4. Гарантия не включает:

а) механические повреждения, вызванные неисправностью пользователя, и дефекты продукции, вызванные такими повреждениями.

б) Ущерб, причиненный неправильным использованием продукта.