

# Instruction Manual

## WHT-7000 Smart Knob Thermostat

WIFI



English

WHT-7000-MS-EF21

### 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.

### Wiring

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

Note:  
 GA is for water heating; GB is for electric heating;  
 GC is for water/gas boiler; NTC and Modbus is optional.

### Mehr Inhalte

Scannen Sie den QR-Code, um das elektronische Handbuch in der entsprechenden Sprache für weitere Inhalte zu erhalten.



### Más contenido

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



### Plus de contenu

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



### Altri contenuti

Scansiona il codice QR per ottenere il manuale elettronico nella lingua corrispondente per ulteriori contenuti.



### Mais conteúdo

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



### Большее контента

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



### Więcej treści

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



### About your thermostats

The WHT-7000 range has been developed to control electric underfloor, water heating or water/gas boiler systems. These units are designed for use in commercial, industrial, civil and domestic properties

### Model definition

GA: Water heating, 5A GB: Electric floor Heating, 16A  
 GC: Water/Gas Boiler, 5A  
 L: Backlight  
 N: Modbus Communication  
 W: Wifi  
 S2: Both internal sensor and floor external sensor  
 For example: WHT-7000

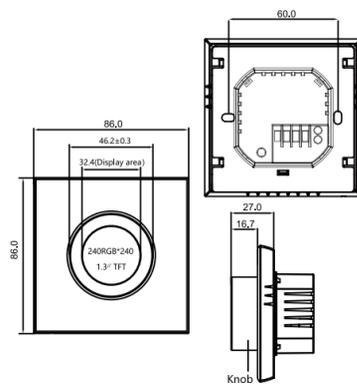
### In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc
QC Passed	1pc	(Floor sensor is Optional)	

### Technical data

Model: WHT-7000  
 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, gas boiler), 16A (electric heating)  
 Sensor: NTC3950, 10K  
 Accuracy: ±1°C  
 Set Temp. Range: 5-35°C  
 Room Temp. Range: 5-99°C  
 Display Temp. Range: 5~99°C  
 Ambient Temp.: 0~45°C  
 Ambient Humidity: 5~95% RH (Non Condensing)  
 Storage Temp.: 0~45°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: 2.412~2.484GHz  
 Maximum Radio Transmit Power: <+16dBm

### Dimension: (mm)



1

2

3

4

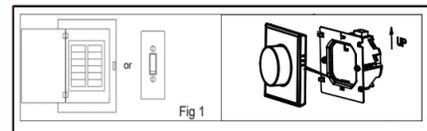
5

6

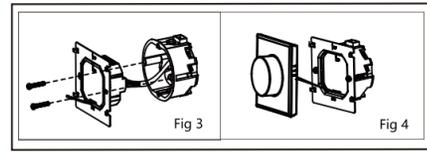
### Installation

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

- Step 1. Keep power off. See Fig 1.
- Step 2. Remove the mounting plate by pushing the assembly. See Fig 2.

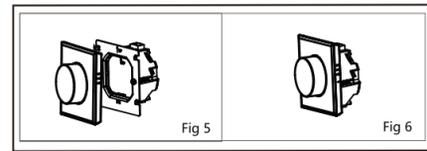


- Step 3. Connect the power supply and load it into the appropriate terminals. (See "Wiring your thermostat" for details and Figure 3).
- Step 4. Securely fix the mounting plate to the wall with screws.



9

- Step 5. Fasten body of thermostat and the mounting plate through rotating. See Fig 5.
- Step 6. Installation complete. See Fig 6.

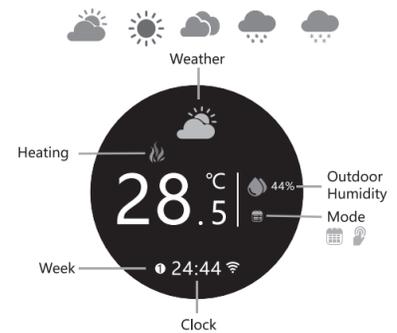


10

### Warnings

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

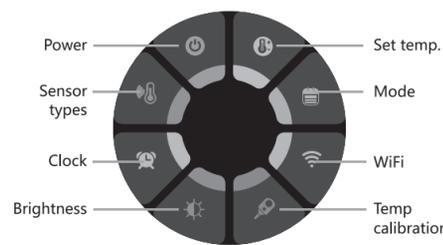
### Home screen quick reference



Note: The weather and humidity will be synchronized within 1 hour after the device is connected to the Internet for the first time, and the weather will be synchronized every hour thereafter.

11

### Main control interface



Tip: Press the screen to enter the Main control interface.

12

### Operation

During Power On

1. Press the home screen to enter the control interface.
2. Rotate the control interface to select
3. Press the control interface to confirm
4. Long press the control interface to return the home screen

1. Power  
 ON: The thermostat is controlling the heating device.  
 OFF: The thermostat stops controlling the heating device.

2. Sensor types  
 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.)

3. Clock  
 Clock setting, the wifi version will automatically synchronize the local time after networking.

13

4. Brightness  
 Standby screen brightness setting. When it is set to 0, the screen will be off after 10s of no operation without displaying anything, and the screen will be woken up by rotating the knob.

5. Mode  
 Manual Mode Programming mode (Schedule mode.)

6. WiFi  
 ON: The thermostat is in the wifi distribution network state.  
 OFF: The thermostat is not in the wifi distribution network state.

7. Temp calibration  
 Please perform temperature correction after the thermostat has been working for 30 minutes.

8. Set temp.  
 Set temperature range 5~45°C

14

### More settings



19

### 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>

### Declaration of conformity

Hereby, WENZHOUL NOVA NEW ENERGY CO.,LTD declares that the radio equipment type WHT-7000 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-7000>

20

### Set week program on your App

Default settings for program schedule

Time display	WEEKDAY (MONDAY—FRIDAY) (1,2,3,4,5 shows on screen)		WEEKEND (SATURDAY) (6 shows on screen)		WEEKEND (SUNDAY) (7 shows on screen)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:00	20 °C	06:00	20 °C	06:00	20 °C
Period 2	08:00	15 °C	08:00	20 °C	08:00	20 °C
Period 3	11:30	15 °C	11:30	20 °C	11:30	20 °C
Period 4	13:30	15 °C	13:30	20 °C	13:30	20 °C
Period 5(1+2)	17:00	22 °C	17:00	20 °C	17:00	20 °C
Period 6(3+4)	22:00	15 °C	22:00	15 °C	22:00	15 °C

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

### Preparation for use

1. Download MOES App on App store or scan the QR code



15

### Trouble shooting

If you have problems installing or operating your device, please review its product data sheet: <https://www.moestech.com/blogs/news/wht-7000>

### 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.

21

### Connect the thermostat

1. Make sure your phone is connected to Wi-Fi and Bluetooth.
2. Set the thermostat to the WiFi enabled state, see the following tutorial to complete the connection and settings.

16

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.

22

- 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.



23

### APP operation interface description (heating thermostat)



18

### FOLLOW US

- @moessmart
- MOES.Official
- @moes\_smart
- @moes\_smart
- @moes\_smart
- www.moes.net

**UK REP** EVATOST CONSULTING LTD  
 Address: Suite 11, First Floor, Moy Road Business Centre, Taffs Well, Cardiff, Wales, CF15 7QR  
 Tel: +44-292-1680945  
 Email: contact@evatmaster.com

**EC REP** AMZLAB GmbH  
 Laubenhof 23, ESSEN 45326  
 Email: info@amz-lab.de  
 Tel: +491745298066  
 Made In China

Manufacturer: WENZHOUL NOVA NEW ENERGY CO.,LTD  
 Address: Power Science and Technology Innovation Center, NO.238, Wei 11 Road, Yueqing Economic Development Zone, Yueqing, Zhejiang, China  
 Tel: +86-577-57186815  
 After-sale Service: service@moeshouse.com

24

## Руководство по эксплуатации (Русский язык)

### Предупреждения

1. Электрический удар или опасность повреждения оборудования. Может шокировать отдельных лиц orshort схемы оборудования.
2. Отключите источник питания перед установкой.

### Технические данные

Модель: WHT-7000

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

Пожалуйста, проверьте информацию, напечатанную лазером на задней части термостата для фактического напряжения.

Текущая нагрузка: 5A (водоотгрев, газовый котел), 16A (электрическое отопление)

Датчик: NTC3950, 10K

Точность:  $\pm 1^{\circ}\text{C}$

Установить диапазон температур: 5-35 $^{\circ}\text{C}$

Диапазон температуры комнаты: 5-99 $^{\circ}\text{C}$

Диапазон температуры отображения: 5 ~ 99 $^{\circ}\text{C}$

Температура окружающей среды: 0~ 45 $^{\circ}\text{C}$

Влажность окружающей среды: 5 ~ 95 % RH (Неконденсирующий)

40

Температура хранения.: 0~ 45 $^{\circ}\text{C}$

Потребление энергии: <1. 5W

Ошибка времени: < 1%  
Материал оболочки: PC +ABS (Огннепроницаемый)

Установка коробки: 86 \* 86 мм квадратный или европейский круглый ящик 60 мм

Проводные терминалы: Провод 2 x 1,5 мм<sup>2</sup> или 1 x 2,5 мм<sup>2</sup>

Класс защиты: IP20

Кнопки: емкостные сенсорные кнопки

Частотная полоса: 2.412~2.484GHz

Максимальная мощность радиопередачи: < +16dBm

### Декларация о соответствии

Настоящим, WENZHOU NOVA NEW ENERGY CO. LTD заявляет, что радио оборудование типа WHT-7000 соответствует Директиве 2014/53/EC, 2014/35/EC, 2014/30/EU.2011/65/EC. Полный текст декларации ЕС Соответствие доступно по следующему интернет-адресу: <https://www.moestech.com/blogs/news/wht-7000>

### Гарантия

Уважаемый господин или госпожа, спасибо за покупку этого продукта.

Надеемся, вам понравится его использовать.

41

На продукты, указанные в гарантийной карте, предоставляется следующая гарантия.

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

1. Продукция имеет 24 - месячную гарантию, которая вступает в силу с даты покупки розничным клиентом охватываемой продукции.
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 момента ее получения подготовьте продукт и упаковку и отправьтесь в место покупки или магазин для послепродажного ремонта. Если продукт поврежден по личным причинам, взимается определенная плата за ремонт.
4. Гарантия не включает:  
а) Механические повреждения по вине пользователя и вызванные ими дефекты продукции.  
б) Ущерб причиненный неправильным использованием продукции.

42