

[Manuals.plus](#) /

› [Haofy](#) /

› Haofy BHT 8000GB Smart Programmable Thermostat User Manual

Haofy BHT 8000GB

Haofy BHT 8000GB Smart Programmable Thermostat

USER MANUAL

1. Introduction

Thank you for choosing the Haofy BHT 8000GB Smart Programmable Thermostat. This manual provides essential information for the safe installation, operation, and maintenance of your new thermostat. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage.

2. Safety Information

Important: Always turn off power at the circuit breaker before installing or servicing the thermostat. Improper installation can lead to electrical shock or damage to the device.

This device should be installed by a qualified electrician. Ensure all wiring complies with local electrical codes.

Do not expose the thermostat to water or excessive humidity.

Keep the device away from children. This product is not suitable for children.

1 Warning

Not suitable for children, please read the product instructions and applicable age range carefully before purchase.

2 Warnung

Nicht für Kinder geeignet, bitte lesen Sie vor dem Kauf die Produkthinweise und die Altersangabe sorgfältig durch.

3 Avertissement

Ne convient pas aux enfants, veuillez lire attentivement les instructions du produit et la tranche d'âge applicable avant d'acheter.

4 Advertencia

No apto para niños, por favor lea cuidadosamente las instrucciones del producto y el rango de edad antes de comprar.

5 Ostrzeżenie

Produkt nie jest odpowiedni dla dzieci, proszę dokładnie przeczytać instrukcje produktu i zakres wiekowy przed zakupem.

6 Waarschuwing

Niet geschikt voor kinderen, lees voor aankoop de productinstructies en de toepasselijke leeftijdsgroep zorgvuldig door.

7 Varning

Inte lämplig för barn, läs bruksanvisningen och lämplig åldersgrupp noggrant innan du köper produkten.

8 Attenzione

Non adatto ai bambini, leggere attentamente le istruzioni del prodotto e la fascia di età applicabile prima dell'acquisto.

9 Uyarı

Çocuklar için uygun değildir, lütfen ürün talimatlarını ve yaş aralığını dikkatlice okuyun satın almadan önce.



Image: Safety warning labels in various languages, emphasizing the importance of reading instructions carefully before use.

3. Package Contents

Verify that all items are present in the package:

- 1 x Haofy BHT 8000GB Smart Thermostat
- 2 x Mounting Screws
- 1 x English Instruction Manual
- 1 x Sensing Line (External Sensor)



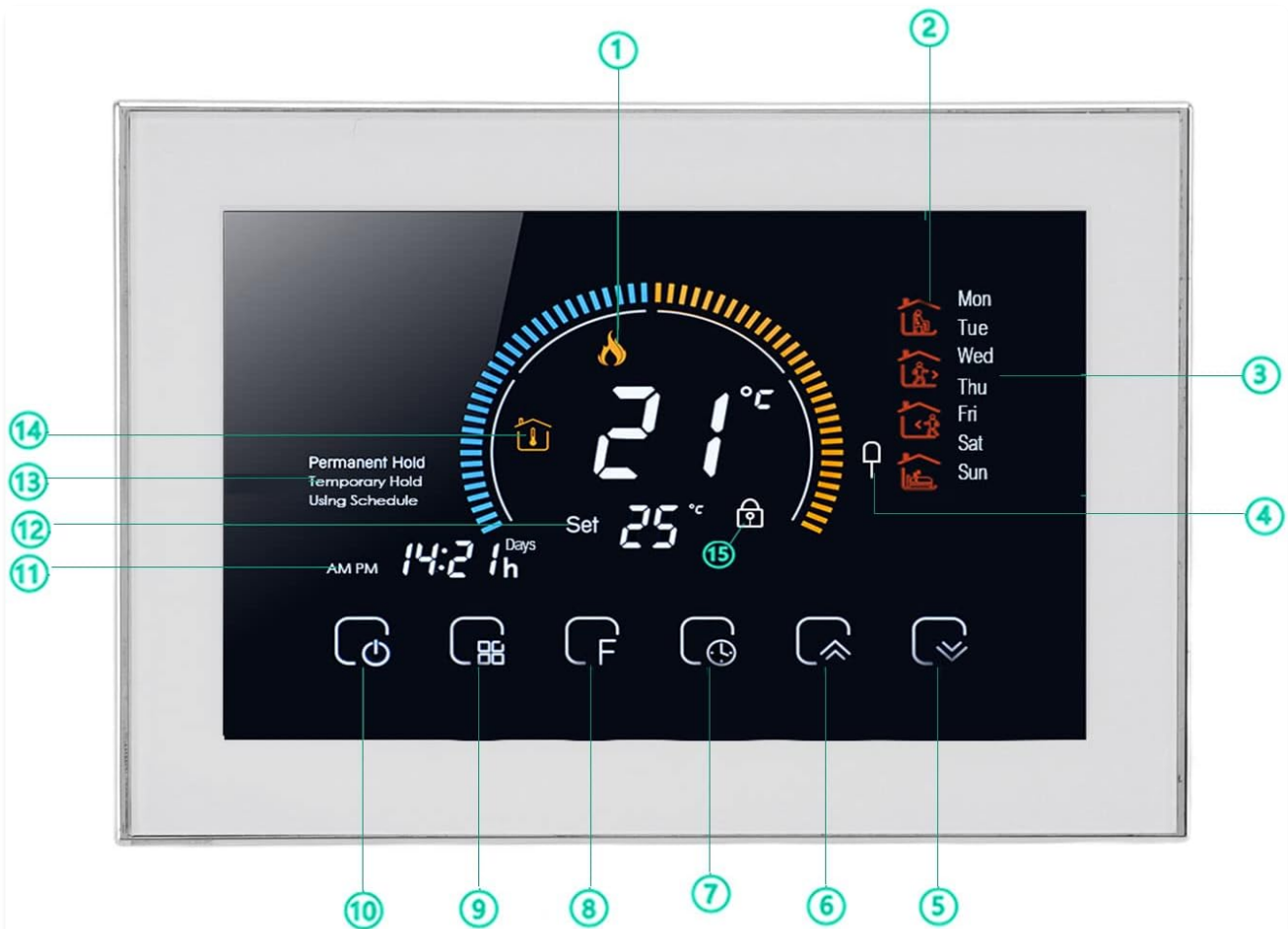
Image: The Haofy BHT 8000GB Smart Thermostat, along with the included sensing line and two mounting screws.

4. Product Overview

The Haofy BHT 8000GB is a smart programmable thermostat designed for indoor room temperature control. It features an LCD touch screen for easy operation and can be controlled via a mobile application. Key features include:

- **Centralized Control:** Group multiple thermostats for unified control and device sharing.
- **Multiple Display Functions:** Displays weather, index, and humidity.
- **High Accuracy:** Maintains temperature within $\pm 1^{\circ}\text{C}$ (or $\pm 1^{\circ}\text{F}$) of the set point.
- **Programmable:** Supports 5+1+1 six-segment programming for comfort and energy efficiency.

- **App Control:** No limit to adding thermostats in the app, integrated with smart home platforms.
- **Data Storage:** Retains settings even after power loss.



- | | | |
|--------------------|--------------------|-------------|
| ① Heating on | ⑥ Up Button | ⑪ Time |
| ② Periods | ⑦ Clock | ⑫ Set temp |
| ③ Monday to Sunday | ⑧ Advanced options | ⑬ Menu |
| ④ External sensor | ⑨ Mode | ⑭ Room Temp |
| ⑤ Down Button | ⑩ Power | ⑮ Lock |

Image: Detailed view of the thermostat's LCD touch screen, showing various indicators and control buttons with corresponding numerical labels.

Display and Button Functions:

1. Heating on indicator
2. Periods (programming segments)
3. Monday to Sunday indicator
4. External sensor indicator
5. Down Button
6. Up Button
7. Clock icon

- 8. Advanced options
- 9. Mode selection
- 10. Power button
- 11. Time display
- 12. Set temperature
- 13. Menu button
- 14. Room temperature
- 15. Lock indicator

5. Specifications

Feature	Specification
Model	BHT 8000GB
Material	PC, ABS
Voltage	AC 95-240V 50-60Hz
Current Load	5A
Power Consumption	<1.5W
Sensor	NTC 10K
Accuracy	±1°C or ±1°F
Setting Temperature Range	5-35°C
Display Temperature Range	5-99°C
Ambient Temperature	0-45°C
Ambient Humidity	5-95% (Non-Condensing)
Storage Temperature	-5-45°C
Timing Error	<1%
Terminal Block	Wire 2x1.5mm² or 1x 2.5mm²
Protection Class	IP20
Dimensions (Thermostat)	Approx. 12.7cm x 8.8cm x 4.0cm (5in x 3.46in x 1.57in)
Weight	Approx. 397g / 14.0oz

6. Installation and Setup

Warning: Disconnect power before installation. This device operates on AC 95-240V and requires professional installation.

6.1 Mounting the Thermostat

- 1. Turn off the main power supply to your heating system at the circuit breaker.

2. Separate the front display unit from the backplate.
3. Mount the backplate to a standard wall switch box (suitable for 86mm standard patress box or European 60mm patress box). Ensure the pitch-row is between 58mm to 62mm or 78mm to 82mm.
4. Secure the backplate using the provided screws.

LCD Display & Touch Key

Large LCD touch screen display with back light, easy to read



Image: Diagram showing the dimensions of the thermostat and the backplate, including suitable wall switch box pitch-row measurements for installation.

6.2 Wiring

Connect the wires according to the wiring diagram provided. Ensure all connections are secure.

- **L and N:** Connect to AC 95-240V power supply.
- **LOAD (1, 2):** Connect to your heating device (e.g., boiler).
- **NTC (5, 6):** Connect the external sensing line (if used).
- **MODBUS (A, B):** Optional connections for Modbus communication.

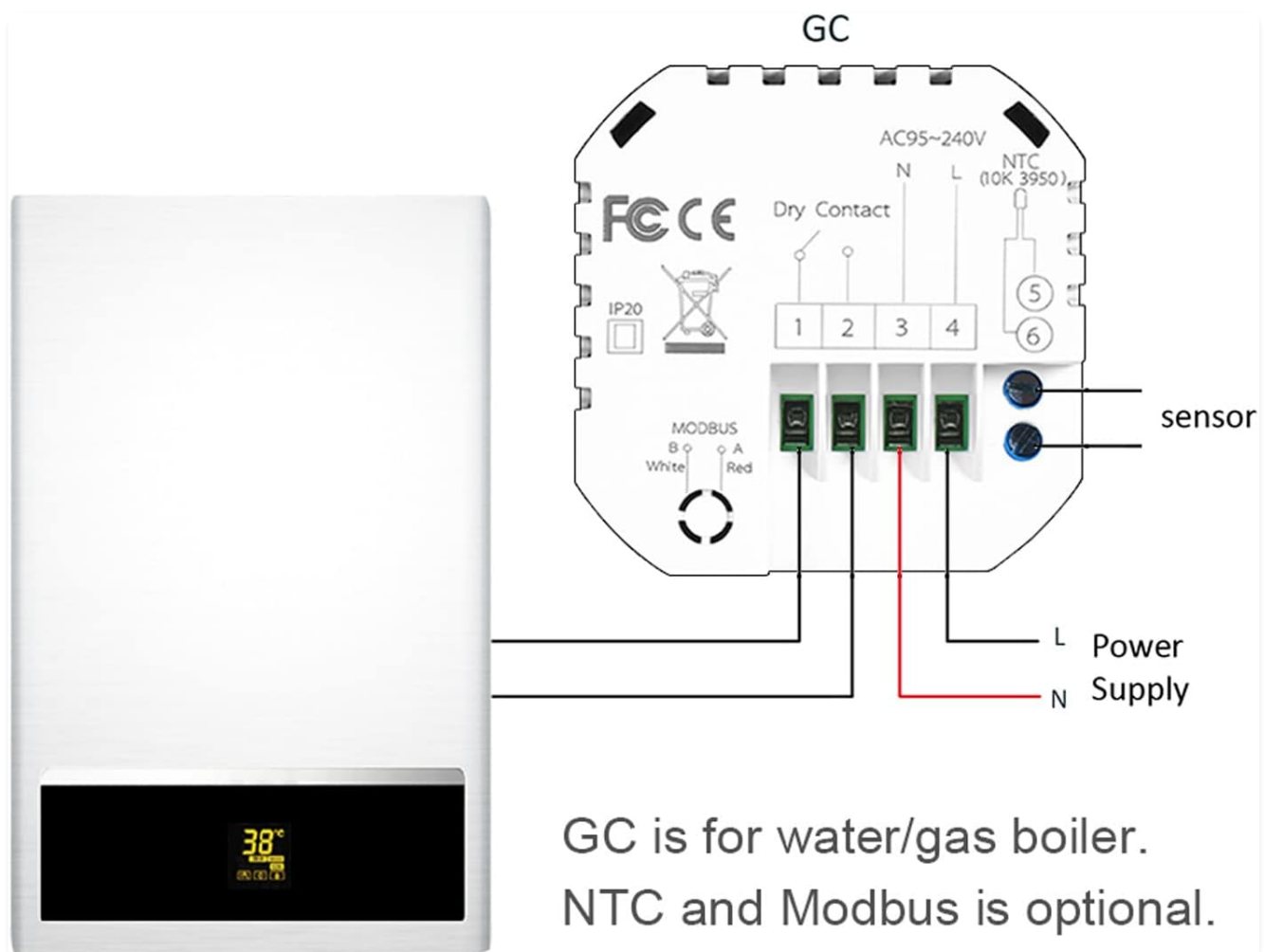


Image: Wiring diagram for the Haofy BHT 8000GB thermostat, illustrating connections for power supply, load (boiler), and optional NTC sensor and Modbus.

6.3 Initial Power-On

After wiring and mounting, reattach the front display unit to the backplate. Restore power at the circuit breaker. The thermostat display should light up.

7. Operating Instructions

7.1 Basic Operation

- **Power On/Off:** Press the **Power** button (10) to turn the thermostat on or off.
- **Temperature Adjustment:** Use the **Up** (6) and **Down** (5) buttons to adjust the set temperature.
- **Mode Selection:** Press the **Mode** button (9) to switch between manual and programmable modes.

7.2 Programmable Mode (5+1+1 Schedule)

The thermostat supports a 5+1+1 programmable schedule, allowing you to set different temperatures for weekdays, Saturday, and Sunday, with six time segments per day. Refer to the advanced options (8) in the display overview for detailed programming instructions.

7.3 App Control

To use app control, download the compatible smart home application (e.g., for Google Home, for Tmall Genie). Follow the app's instructions to add your thermostat. This allows for remote control, scheduling, and monitoring.

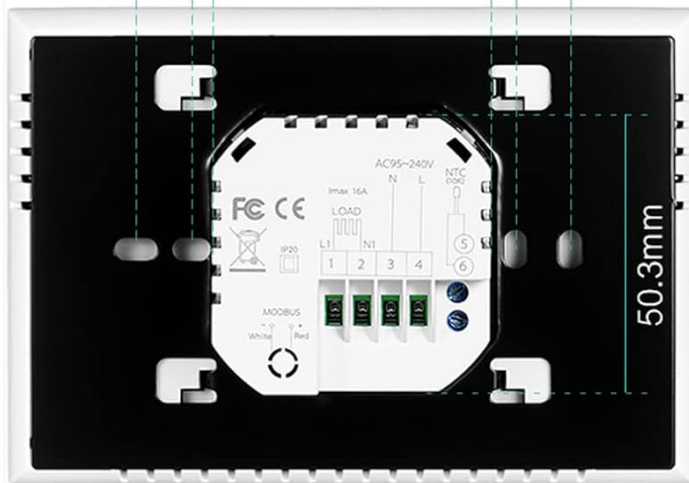
4.0cm / 1.57in

12.7cm / 5in



8.8cm / 3.46in

80.0±2mm
60.0±2mm
50.3mm



Suitable for wall switch box with pitch-row from 58mm to 62mm or 78mm to 82mm, such as a 86mm standard pattress box or European 60mm pattress box, ect..

Image: A hand touching the LCD screen of the Haofy BHT 8000GB thermostat, demonstrating its touch control interface.

8. Maintenance

The Haofy BHT 8000GB thermostat requires minimal maintenance.

- **Cleaning:** Gently wipe the screen and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the wiring connections for any signs of wear or looseness.

9. Troubleshooting

- **Thermostat not powering on:** Check the circuit breaker and ensure all wiring connections are secure.
- **Incorrect temperature reading:** Verify the external sensor (if used) is properly connected and positioned away from direct heat sources or drafts.
- **Heating system not responding:** Check the thermostat's mode (manual/programmable) and set temperature. Ensure the heating system itself is operational.
- **App connectivity issues:** Ensure your Wi-Fi network is active and the thermostat is within range. Re-pair the device with the app if necessary.

If issues persist, consult a qualified technician.

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official Haofy store online.

Visit the [Haofy Store](#) for more products and support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0BJKMTPZH>

More documents and user manuals: <https://manuals.plus/>