

GS-THWHB-W/GS-THWHB-B

WiFi Water Heating/Boiler
Thermostat



GS-THWHB-W/GS-THWHB-B is a smart WiFi water heating/boiler thermostat.

It can automatically detect the indoor temperature and display the relevant temperature value for water heating/boiler control.

It can also automatically turn on/off the heating system/boiler according to the temperature difference.

The device can be remotely controlled by WiFi network.

Technical Specifications

- Power Supply: AC220V
- Standby Power Consumption: ≤ 1W
- Resistive Load: 2 loads and each load ≤ 5A
- Working Environment.: 0 ~ 55℃; < 95% RH (non-condensation)
- Temp. Setting Range: 5-37℃
- Temp. Display Precision: 0.1℃
- Outcase: PC+ABS
- WiFi Frequency: 2.4 GHz
- Dimension: 113*113*22mm
- Installation: Surface Mounted

• Wire Connection: Terminal



Declaration of Conformity

Hereby, we declare that the device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

• WEEE Directive Compliance

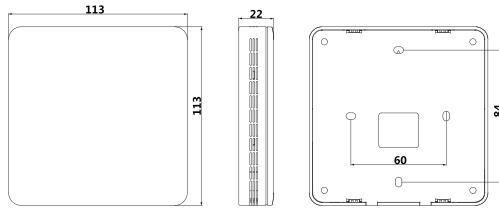
The device marked with this symbol should not be disposed of with household waste. It is the user's responsibility to deliver the used appliance to a designated recycling point.

Important Safety Information

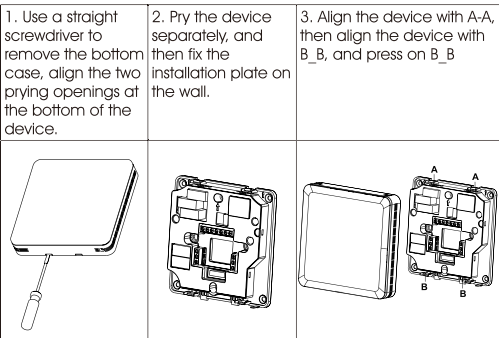
- ⚠ Read the instructions before starting up the unit!
- ⚠ This product is not a toy. Keep out of reach of children and animals!
- ⚠ Do not expose the device to moisture, water or other liquids. Do not place liquids near or on the device!
- ⚠ Do not attempt to disassemble, repair or modify the device yourself! Installation should only be done by a certified electrician!
- ⚠ This product is for indoor use only. Do not use outdoors!

CAUTIONS!
Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing.

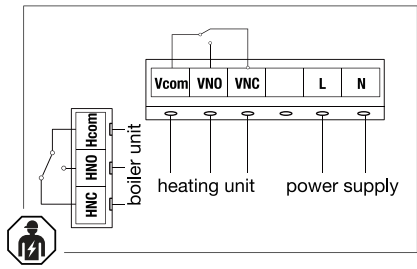
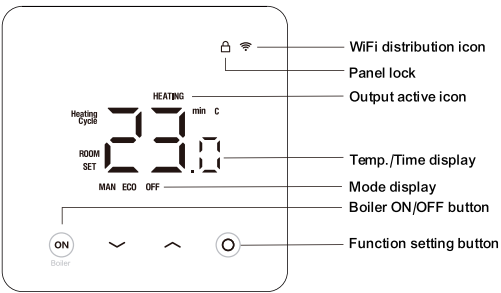
Product Size (unit: mm)



Installation



Display & Wiring Diagram



Functions

Power On/Off

Power ON: Under OFF interface, long press key to power up the device, it enters the normal operating interface.

Power OFF: Under normal operating interface, long press key to power off the device, all output off.

Temperature Setting

Under normal operating interface, press or to modify the setting temperature, the temperature setting range is 5-37℃ (setting step is 0.5). Then press to confirm or after 5sec without any operation, it will return to the normal operating interface.

Mode Setting

Under normal operating interface, short press to enter mode setting and the mode setting icon flashes, press or to select a mode. MAN indicates the manual mode, OFF indicates the OFF mode, and ECO indicates the energy saving mode. After the setting is completed, press to confirm or wait 5S without any operation, then it will automatically return to the normal operating interface.

1. Manual Mode: The device controls the room temperature by manually setting the temperature.

- Room temperature ≤ Setting temperature – Hysteresis temperature; => Heating output turns ON and the interface shows “HEATING” icon.
- Room temperature ≥ Setting temperature; => Heating output turns OFF and the “HEATING” icon disappears.

2. OFF Mode: The device is powered on, the display shows OFF, the heating output turns off and the heating unit stops working.

3. Energy-Saving Mode (ECO Mode): The normal operating interface displays ECO and the device opening time. Press or to set the device opening time for a 20min interval, setting range: 1-20min (Loopable setting)

Note: This mode will not follow the difference between the setting temperature and the room temperature to turn ON/OFF the heating unit.

Panel Lock Function

Under normal operating/shut down interface, long press + to turn ON/OFF the panel lock function. When turn ON the panel lock function, the display shows icon, all key operations are invalid except the long press . When turn OFF the panel lock function, the icon disappears and all keys return to normal operation.

Boiler Control

When the device powers on, short press to turn ON/OFF the boiler. If the boiler turns on, the displays, if the boiler turns off, displays.

LED Brightness Setting

Under normal operating interface, long press + to enter LED brightness setting interface, press or to adjust the brightness parameters, after the setting is completed, press to confirm. Setting range: 0-2 (0. Dim, 1. Semi-bright, 2. Full-bright)

Temperature Calibration

Under shutdown interface, long press to enter temperature calibration interface, press or to adjust the setting parameter, press to confirm. Setting range: -9.9~9.9, setting step: 0.1.

Temperature Hysteresis Setting

Under shutdown interface, long press to enter temperature hysteresis setting interface, press or to adjust the setting parameter, press to confirm. Setting range: 0.5~5, setting step: 0.5.

WiFi Operation & Application

Download & Connect to the Application

1. Download the mobile application **GEYER Smart** from Play Store or App Store or scan the below QR code to download the APP:



2. Create an account and log in to the **GEYER Smart** app.
3. **Add Device:** After logging into the app, select "+" in the upper right corner and "Add Device".

Activate your mobile phone's Bluetooth and start the addition process from the thermostat (see **WiFi Setting of the thermostat down below**).

After the thermostat appears in the app, press "Add", put in your WiFi name and password and it will start a countdown to add it to the app.

Note: The device can only be connected to WiFi that has a frequency of 2.4GHz and not to those that have automatic switching from 2.4GHz to 5GHz!!

WiFi Setting of the thermostat

WiFi Connection: Under the normal operating interface, long press + for 3sec to enter the WiFi distribution network interface. The icon flashes and after the distribution is succeeded, the icon always on.

Note: To connect to the WiFi network again, perform the same operations as above to enter the distribution network status again.

2-Years Limited Warranty

We warrant this device to be free from defects in material and workmanship under normal and proper use for two years from purchase date of the original purchaser. We will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials.

This limited warranty does not cover any damage to this product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair or modification.

This limited warranty shall not apply if: (i) the product was not used in accordance with any accompanying instructions,

or (ii) the product was not used for its intended function. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, that has not been handled or packaged correctly, that has been sold as second-hand or that has been resold contrary to Country and other applicable export regulations.

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