HC-T020-EWF Series Thermostat

User Guide





For Water Heating/Boiler/Electric Heating

Thank you for your purchase.

Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property. We bring together technology, craftsmanship and the highest quality materials to provide you with a safe reliable product combined with sleek contemporary design.

Please read this installation/programming manual for comprehensive instructions on installing and operating your thermostat. Please also ensure a suitably qualified person installs your thermostat and complies with all local regulations.

IN THE BOX YOU WILL FIND

Thermostat 1 pc Screws 2 pcs User Guide 1 pc OC Passed 1 pc 1 pc

ABOUT YOUR THERMOSTATS

The HC-020-WIFI series 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.

FFATURES

On Appearance

- 1. Convenient operation creates convenient life.
- 2. Fashion design blends in with any decor.
- 3. Touch Screen display with backlight is easy to read, even in the dark.
- 4. Bright buttons always remind you the world truely exist.
- 5. Fasy III interface could be used even by child
- 6. Optionals of black and white housing.

- 1. Remote control by eWeLink App.
- 2. 0.5°C Accuracy keeps temperature within the level you set.
- 3. Data memory when power is off.
- 4. 7 days individual programming maximize comfort and economy. 5. Create thermostat group to Centralized control
- 6. Integrated with Amazon Alexa, Google Assistant, etc.
- 7. All setting languages synchronize your time zone, address and language.
- 8. No limit to add rooms and support Smart Scene. 1

MODEL DEFINITION

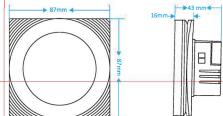
GA: Water heating, 5A GB: Electric floor Heating, 16A

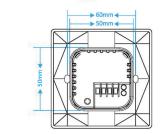
GC: Water/Gas Boiler, 5A L: Backlight P: Weekly Programmable WF· Wi-Fi

E: eWeLink S2: Both internal sensor and floor external sensor

For example: HC-020-WIFI-GC

DIMENSION





TECHNICAL DATA

Power Supply: 95 ~ 240V AC, 50 ~ 60HZ

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

Accuracy: +0.5 °C or +1 °F

Set Temp. Range: 5~ 35 °C

Display Temp. Range: 5~99 °C

Ambient Temp.: 0~ 45 °C

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

Storage Temp :-5~45 °C

Power Consumption: <1.5W

Timing Error: < 1%

Shell Material: PC +ABS (flame retardant)

Protection Class: IP 20

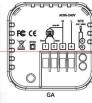
Buttons: Capacitive Touch Buttons

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 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

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

WIRING







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GA is for water heating;

GB is for electric heating GC is for water/gas boiler;

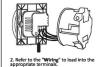
NTC is optional.

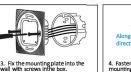
INSTALLATION

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



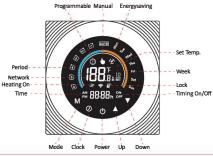








HOME SCREEN QUICK REFERENCE



OPERATION

1. Power On/off: Press "(1)" to turn the thermostat on/off.

2. Mode switch among "Manual/Programmable/ECO"

Touch " M "(mode) to change among "Manual/Programmable/ECO" In the manual mode, " • " will display in the bottom of the screen; In programmable mode, " (2) " will display in the bottom of the screen: In ECO mode, " ? " will display in the right side.

3. Setting Temperature

In the mode of ECO and programmable, set temperature, time could not be adjusted. If the user want to change, please go to manual mode. In the mode of manual, press " A " and " ∇ " set the desired temperature. When the thermostat is turned on, press and hold " ... " 5 seconds to switch the temperature mode, Celsius (°C) or Fahrenheit (°F).

4. Adjusting/Setting the Time

Touch the icon "♠" to set minute, hour and weekday by using "♠" and "♥". Press " ()" once more to confirm and exit.

5. Locking your Thermostat

Press and hold "▲" and "▼" 5 seconds to lock/unlock your thermostat.

6. Adjusting/setting the Program Schedules

When Wi-Fi connection is made, your thermostat will automatically accept the program schedule made via the APP on your device (see below for detailed instructions). To set the program schedules through your thermostat (NOT via your smartphone/tablet) simply follow the instructions as below:

Note: In any of Manual/Programmable/ECO" modes, touch " () "key can enter thesetting of program schedule.

Touch " (1) " key 4 times to enter programming setting (The first three times are set to the current time and week)

Use "▲" and "▼" to adjust each value, and then press "① " to switch between 1~6 Period, time and temperature.

After finishing the above settings, press " (1) " to exit the programming mode.

Default setting for program schedule

Period	Working days (Monday to Friday)		weekend (Saturday to Sunday)	
	Time	Temperature	Time	Temperature
Period 1	06:00	20 °C	06:00	20 °C
Period 2	08:00	15 °C	08:00	20 °C
Period 3	11:30	15 °C	11:30	20 °C
Period 4	13:30	15 °C	13:30	20 °C
Period 5	17:00	22 °C	17:00	20 °C
Period 6	22:00	15 ℃	22:00	15 °C

7. Checking the Temperature of Floor Sensor

Press and hold the arrow "▼" for 5 seconds to display the temperature of floor sensor

8. Setting the Advanced Features

Turn off the thermostat, press " M" and " ()" buttons at the same time for 5 seconds to enter the advanced features setting, press " $\ensuremath{\text{M}}$ " button For function selection, press "▲" and "▼" to adjust individual functions.

All high level option settings will take effect automatically after restarting the thermostat

Code	Function	Setting and options	Default
1	Temperature Compensation	-9 °C to +9 °C (for internal sensor)	-1
2	Temperature Deadzone	1°C~5°C	1
3	Button Locking	00: All buttons are locked except power button. 01: All buttons are locked.	01
4	Sensor Types	In: Internal Sensor (to control or limit the temp.) Ou: Only external sensor AL: Internal/ External Sensor (Internal sensor to control the temp., external sensor to limit the temp.)	AL
5	Min. Set Temp.	5 °C ~ 15 °C	05
6	Max. Set Temp.	15 °C ~ 45 °C	35
7	Display Mode	00: Display both set temp. and room temp. 01: Display set temp. only	
8	Low Temperature Protection Setting	0 °C ~ 10 °C	00
9	High Temperature Protection Setting	25 °C ~ 70 °C	45
Α	Economy Mode	00: Non-energy saving mode 01: Energy saving mode	0
В	Economy Temperature Range	0°C~30°C	20

