

Smart Thermostat

User Guide

For Water Heating/Boiler/Electric Heating

WELCOME

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 QC Passed 1 pc
Floor sensor 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.

FEATURES

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 truly exist.
5. Easy UI interface could be used even by child.
6. Options of black and white housing.
On Functionality
1. Remote control by Tuya App.
2. 0.5°C Accuracy keeps temperature within the level you set.
3. Data memory when power is off.
4. 5+2 six periods programmable 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

DIMENSION

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 instructions.

CAUTION: 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;
NTC is optional.

INSTALLATION

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

2

3

4

HOME SCREEN QUICK REFERENCE

Default setting for program schedule

Period	Working days (Monday to Friday)		Saturday		Sunday	
	Time	Temp.	Time	Temp.	Time	Temp.
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	17:00	22 °C	17:00	20 °C	17:00	20 °C
Period 6	22:00	15 °C	22:00	15 °C	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 "O" buttons at the same time for 5 seconds to enter the advanced features setting, press "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.) Out: 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	00
8	Low Temperature Protection Setting	0 °C ~ 10 °C	00
9	High Temperature Protection Setting	25 °C ~ 70 °C	45
A	Economy Mode	00: Non-energy saving mode 01: Energy saving mode	0
B	Temperature Range	0 °C ~ 30 °C	20

FCC Caution:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body. Use only the supplied antenna.

5

WIFI CONNECTION

Step 1: Download your APP

There are two APPs to choose from, the wifi connection takes "Tuya Smart" as an example. Scan the QR code to download "Tuya Smart" App, or you can also search keyword "Tuya Smart" at App Store or Google play to download App.

Step 2: Register your account

Open "Tuya Smart", log in or register your account with your mobile number or e-mail address. Type in the verification code sent to your mobile or mail box, then set your login password.

Figure 1

Figure 2

Figure 3

Figure 7

Figure 8

Figure 9

Figure 13

In Figure 13, click the "gear" icon to enter the Advanced features interface. As shown in Figure 16.

You can change the device information, as shown in Figure 17; Add third-party control, such as Amazon Echo or Google Home, as shown in Figure 18; Share the device, as shown in Figure 19, 20; create a group, as shown in Figure 21.

6

Step 3: Wi-Fi connection operation

Note: The thermostat support two paring modes, you can choose according to the actual situation.

EZ pairing mode: EZ mode allows for rapid networking, with high performance requirements for WiFi signal strength, routers, mobile phones or management devices, as shown below.

After turning off the thermostat, press and hold the "▼" button for 10 seconds, when the icon fast flash, press and hold the "▼" button for another 10 seconds, the icon appears, that stand for the thermostat enter into AP pairing mode.

Open "Tuya" app, click "Add device" to add device, choose "Small Home Appliance", select "Thermostat (Wi-Fi)", choose the suitable Wi-Fi network and enter the password, click "next", filter "Confirm the indicator is blinking slowly", click "Next", then click "Go to Connect", your phone will automatically enter WiFi settings interface, choose the Wi-Fi signal "Smartlife-xxxx", then reopen "Tuya" app to enter an automatic connection state, complete the Wi-Fi connection of the thermostat.

PROGRAMMING YOUR THERMOSTAT

After a successful connection, it will enter the thermostat setting interface, as shown in Figure 13. You can make relevant settings according to your needs.

1. Power on/off, press it, turn on the device, press it again, turn off the device.

2. Mode switch button, press it to switch mode among "Manual/Programmable/ECO".

3. Timing On/Off.

4. Advanced features.

5. Slide the orange button backwards or forwards to manually adjust the temperature, the temperature will show in the centre.

6. Settings.

Week program

You can set it on weekdays (Monday to Friday), and then set the time / temperature and adjust it according to your work schedule.

You can set 6 periods (time and temperature), as shown in Figure 15.

Repeat the above steps to set Saturday-Sunday.

Once your schedule has been set, click save and the application will transfer the programmed data to the thermostat and the plan has been saved.

Child lock

On this function, the thermostat buttons are locked and cannot be operated.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

Child lock

On this function, the thermostat buttons are locked and cannot be operated.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

The ECO mode is disabled by default, if the user want to use this function, please go to advanced features to enable it. Then touch "M" key on the thermostat to switch among "Manual/Programmable/ECO" modes.

ECO mode

<div data-bbox="560 1041 72