

HC-T010-WIFI Series Thermostat

User Guide



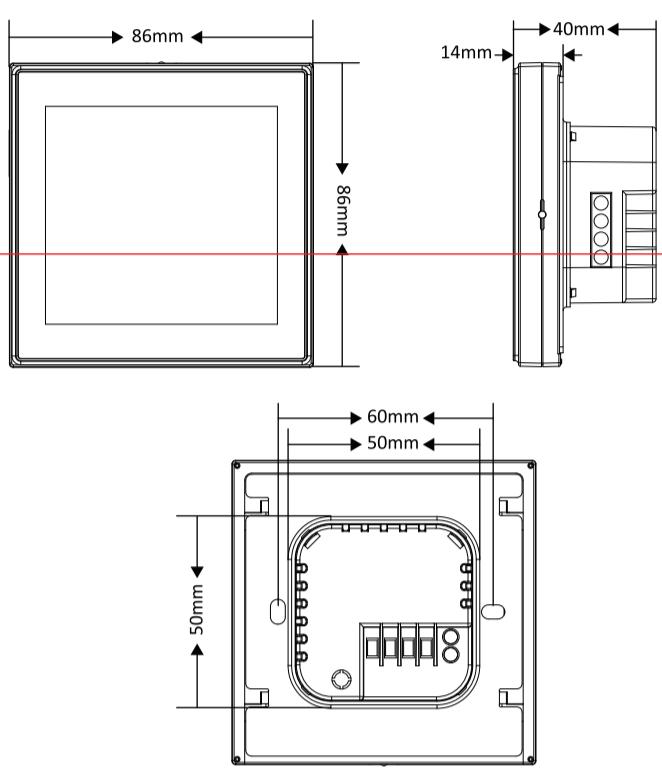
For Water Heating/Boiler/Electric Heating

MODEL DEFINITION

GA: Water heating, 5A
GB: Electric floor Heating, 16A
GC: Water/Gas Boiler, 5A
L: Backlight
P: Weekly Programmable
W: Wi-Fi
S2: Both internal sensor and floor external sensor

For example: HC-T010-WIFI-GCLP

DIMENSION

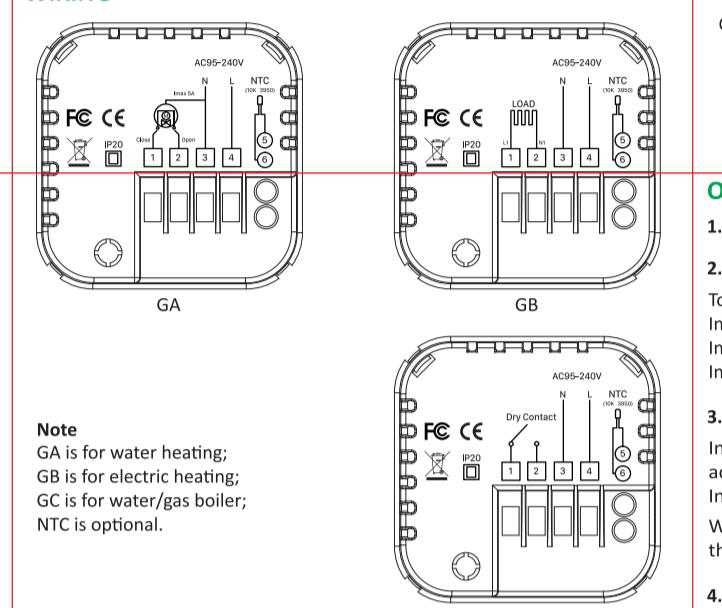


BEFORE WIRING AND INSTALLING

- Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
- Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
- Installer must be a trained, experienced service technician.
- After installation is complete, check out product operation as provided in these instructions.

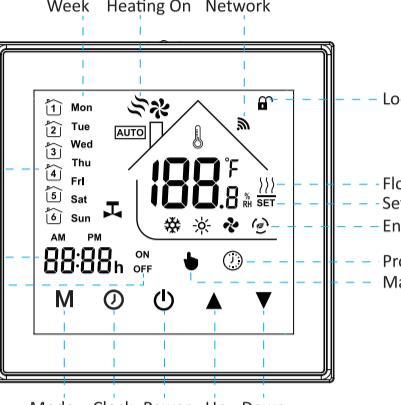
CAUTION: Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.

WIRING



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

HOME SCREEN QUICK REFERENCE



Week Heating On Network
Period 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

Lock
Floor Temp.
Set Temp.
Energysaving
Programmable
Manual
Mode Clock Power Up Down
Time Timing On/Off

Default setting for program schedule

Period	Working days (Monday to Friday)	Saturday	Sunday	
Time	Temp.	Time	Temp.	
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 °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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTIFICATION: 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 equipment's dealer or an experienced TV technician for help.
To maintain compliance with FCC RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body. Use only the supplied antenna.
FCC ID: 2A544BAB20164938688

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.

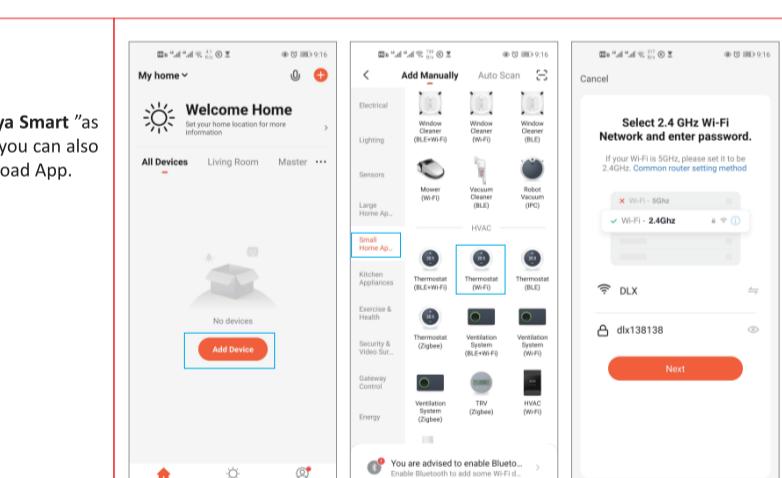


Figure 1: Tuya Smart QR code
Figure 2: Smart Life QR code
Figure 3: Tuya Smart app login screen
Figure 4: Tuya Smart app account registration screen
Figure 5: Tuya Smart app account registration confirmation screen
Figure 6: Tuya Smart app account registration success screen

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", 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.

- Power on/off, press it, turn on the device, press it again, turn off the device.
- Mode switch button, press it to switch mode among "Manual/Programmable/ECO".
- Timing On/Off.
- Advanced features.
- Slide the orange button backwards or forwards to manually adjust the temperature, the temperature will show in the centre.
- 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.

SIMPLE EXCEPTION HANDLING

No.	No Phenomenons Handling	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 LCD 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 Advanced Features
4	"EZ" is displayed on Tuya App operation interface	Enter the advanced function and set the "Sensor Type" to "Internal Sensor"