THP-6000 Series Round Thermostat
User Guide

For Fan Coil Unit   Wifi type

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	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc
QC Passed	1pc		

ABOUT YOUR THERMOSTATS

THP-6000 series Modern Round Touch Screen Room Thermostats are designed to on/off control the fans and valves in air conditioner applications via comparison of the room temperature and setting temp. as reaching the aim of comfort and saving energy.

MODEL DEFINITION

A : Two pipe; Control Fan Coil Unit and Two Wired Motorized Valve
M : Two pipe; Control Fan Coil Unit and 0-10V Motorized Valve
E : Four pipe; Control Fan Coil Unit and Two Wired Heat Valve and Two Wired Cool Valve.
N: Modbus RTU communication   B:BACnet Communication
W : Wifi connection
K : Keycard   T : Clock
W2 : Window   P : Programmable
E : External Sensor

For example: THP-6000ALW

FEATURES

On Appearance
1. Negative black screen will bring you to a secret world.
2. 51mm round display area helps to protect your eyes.
3. Glass or Acrylic Lens is for your selection.
4. Touch buttons to make simple operation.
5. Amazing Silver Frame opens your modern life.
6. The visiable thickenss above the wall is only 11mm.
7. Rotation to connect gives you easy installation.
8. 86mm hidden box and european 60mm round box is suitable.
9. White, black or gold housing creates your colorful life.

On Functionality
1. Powerful functions are available such as BACnet/Modbus/WIFI etc,.
2. 0.5°C Accuracy keeps temperature within the level you set.
3. ℃ & ℉ is changeable. (Customized Function)
4. Data memory when power is off.
5. 5+2 six periods programmable maximize comfort and economy.
6. Create thermostat group to Centralized control
7. Integrated with Amazon Echo, Google Home, Tmall Genie, IFTTT.
8. All setting languages synchronize your time zone, address and language
9. No limit to add thermostats in App.
10. Support Smart Scene.

DIMENSION

Unit: mm
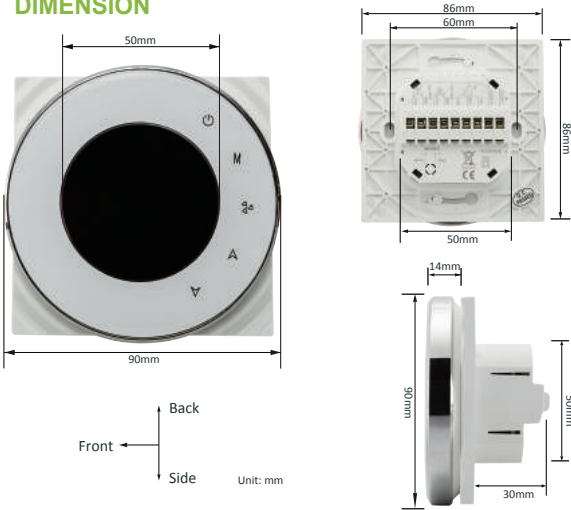
TECHNICAL DATA

Power Supply: 95 ~ 240 VAC, 50 ~ 60HZ
Fan Relay Amps Resistance: 5A; Inductive: 3A
Valve Relay Amps Resistance: 3A; Inductive: 1A
Sensor: NTC3950, 10K   Set Temp. Range: 5 -35 ℃
Accuracy: ±0.5 ℃
Dispaly Temp. Range: 5 ~ 99℃
Ambient Temp.: 0 ~ 45 ℃
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.: -5 ~ 45 ℃   Timing Error: < 1%
Power Consumption: <1.5W
Shell Material: PC +ABS (Fireproof)
Installation Box: 86 * 86mm Square or European 60mm Round Box
Wire Terminals: Wire 2 x 1.5 mm2 or 1 x 2.5 mm2
Protection Class: IP20
Buttons: Capacitve 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 instructions.

⚠ CAUTION

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

WIRING

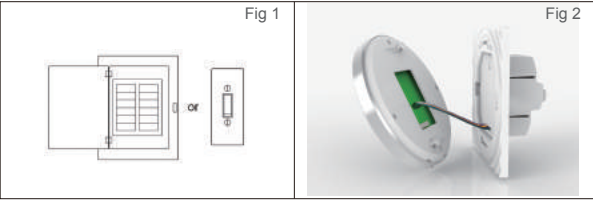Two Pipe, On/off   Four Pipe, On/off   Two Pipe , Modulating
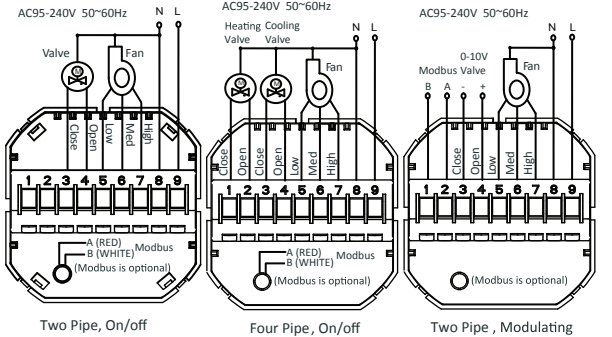
INSTALLATION

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.
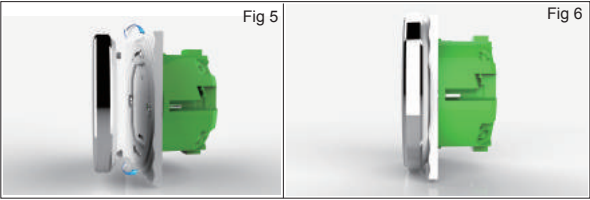
Step 1. Keep the electricity off. See Fig 1.
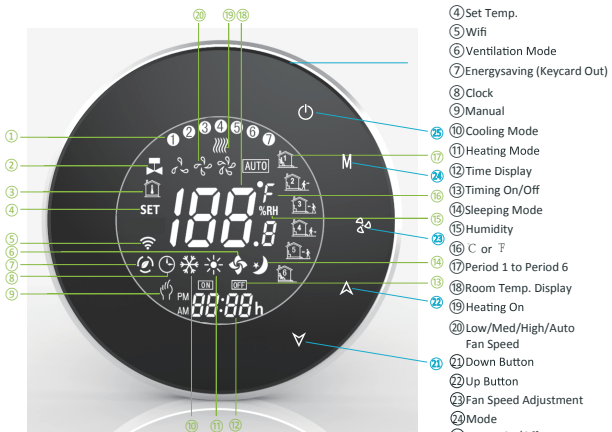Step 2. Remove the mounting Plate by rotating the LCD part. See Fig 2.

Fig 1   Fig 2

Step 3. Connect power supply, load into the appropriate terminals. (see "Wiring your thermostat" for details and Fig 3).
Step 4. Fix the mounting plate into the wall with screws in the box. See Fig 4.

Fig 3   Fig 4
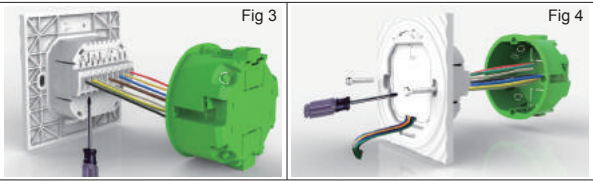
Step 5. Fasten body of thermostat and the mounting plate through rotating. See Fig 5.
Step 6. Installation complete. See Fig 6.

Fig 5   Fig 6

HOME SCREEN QUICK REFERENCE

① Monday To Sunday
② Valve On
③ Room Temp.
④ Set Temp.
⑤ Wifi
⑥ Ventilation Mode
⑦ Energysaving (Keycard Out)
⑧ Clock
⑨ Manual
⑩ Cooling Mode
⑪ Heating Mode
⑫ Time Display
⑬ Timing On/Off
⑭ Sleeping Mode
⑮ Humidity
⑯ ℃ or ℉
⑰ Period 1 to Period 6
⑱ Room Temp. Display
⑲ Heating On
⑳ Low/Med/High/Auto Fan Speed
㉑ Down Button
㉒ Up Button
㉓ Fan Speed Adjustment
㉔ Mode
㉕ Power On/Off

OPERATION

During Power On

1. Power On/off: Press ⏻ to turn the thermostat on/off.

2. Manual & Programmable
Press and hold M, 🖑 will flash.Press A to select manual and press ∀ to select weekly programmable.

3. Setting Temperature
In the mode of manual, press A ∀ to set temperature. 🖑 will display in the left corner of screen.

4. Locking Your Thermostat
Press and hold the A∀ for 5 seconds to lock/unlock your thermostat.
In item 3 of high senior options, you can select full lock or half lock.

5. Selecting System Mode
Press M to change the system mode HEATING, COOLING and VENTILATION. In the mode of VENTILATION, the valve is off but the fan runs.

6. Setting the Fan Speed
Press 🖐 to select the fan speed AUTO, HIGH, MED, LOW.

7. Restore Manufacturer Defaults
Press the Restore Manufacturer Defaults ,you can reset thermostat.
Steps: Open your app - go into your room - click menu on the top right corner - move to the end - Press Restore Manufacturer Defaults.

8. Adjusting/Setting the Clock
Press and hold M , 🖐 will flash.Press M to set minute,hour and weekday (1 = Monday, 2 = Tuesday etc.) by using the A ∀ arrows,after 3 seconds the value will be confirmed automatically.

9. Adjusting the Weekly Programmable
Press M to do the adjustment of weekly programmable.
Then press M to change the different items. Press A or ∀ to set the relative values.
Your thermostat provides six scheduled heating and cooling periods each day – three Comfort periods - 1, 3 & 5 (the temperature required when room is occupied) and three Economy periods – 2, 4 & 6 (the temperature required when room is unoccupied).You can set both the time and temperature for each of these six daily periods. Adjusting/setting the schedules can only be carried out when in program mode;Touch M (mode) to change between manual mode
and programme mode. In manual mode,🖐will show in the bottom left of the screen.Touch the icon M for four times until the weekday schedule settings appear (1 2 3 4 5 will show along the top of the screen).
Use the A and ∀ arrows to adjust the time for the 1st (Comfort) period Press the icon M and use the A and ∀ arrows to set the temp. for the 1st period. Repeat this process for periods 2 – 6. Press the icon M once more to enter the weekend schedule settings (6 & 7 will show along the top of the screen). Repeat the above process to set the weekend schedule.
Press M once more to confirm and exit.

Default settings for program schedule

Time display	WEEKDAY (MONDAY – FRIDAY) (1 2 3 4 5 shows on screen)		WEEKEND (SATURDAY) (6 shows on screen)		WEEKEND (SUNDAY) (7 shows on screen)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:00	20℃	06:00	20℃	06:00	20℃
Period 2	08:00	15℃	08:00	20℃	08:00	20℃
Period 3	11:30	15℃	11:30	20℃	11:30	20℃
Period 4	13:30	15℃	13:30	20℃	13:30	20℃
Period 5	17:00	22℃	17:00	20℃	17:00	20℃
Period 6	22:00	15℃	22:00	15℃	22:00	15℃

In the mode of programmable, set temp., time and timing on/off could not be adjusted.

During Power Off
Setting the Functions and Options
When power is off, press and hold M and 🖐 at the same time for 5 sec. in order to reach system function.
Then press M to change the different items.
All the settings will confirm automatically when power is on.

Code	Function	Setting and options	Default
1	Temperature compensation	-7 to 7℃	-1
2	Fan control	00:When room temp. reaches the set point,the fan will turn off 01:When room temp. reaches the set point,the fan will turn to low speed	0
3	Button Locking	00:All buttons are locked except power button 01:All buttons are locked.	01
4	Heat/cool	00:Cool only 01:Heat/Cool	01
5	Min. Set Temp.	5 to 15℃	05
6	Max. Set Temp.	5 to 35℃	35
7	12/24 hours	00:12h 01:24h	01
8	Display Mode	00: Display both set temp. and room temp. 01: Display set temp. only	00
9	Energy saving Mode	00: Non-energy saving Mode 01: Energy saving Mode,set Temp. keep economy Temp.	00
A	Heating Economy Temp.	10 to 30℃	20
B	Cooling Economy Temp.	10 to 30℃	26
C	Deadband Temp.	1 to 5℃	1
D	Standby Bigtness of backlight	3-99 bigger value,more brightness	4

ABOUT WIFI

WI-FI CONNECTION

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings through your smartphone or tablet. This will allow communication between your connected devices.

Step 1 Download your APP (Fig 1-1)

Fig 1-1   Fig 1-2 IOS   Fig 1-3 Android

For IOS devices, search for *My SmartThermostat* in Apple Store and download. Alternatively,scan the relevent QR code here (Fig 1-2)

For IOS devices, search for *My SmartThermostat* in Google Play and download. Alternatively,scan the relevent QR code here (Fig 1-3)

Step 2 Register your account

Open your BecaSmart, you will get a piece of notification(Fig 2-1) Click *Allow* to go into your page of register (Fig 2-2). Press *register* and enter your phone no. or email (Fig 2-3) then you can get a verification code. Input your password and confirm (Fig 2-4) to complete your registeration.If you have account, please log in.
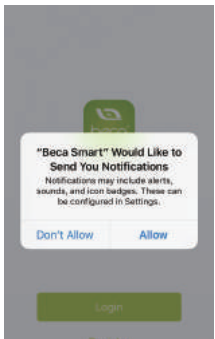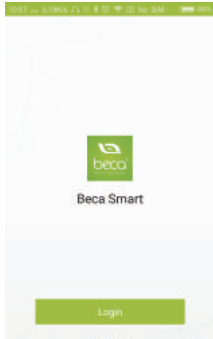
Fig 2-1   Fig 2-2
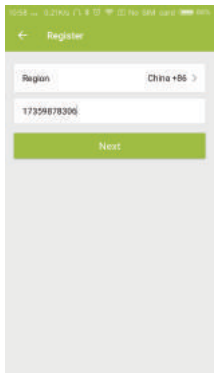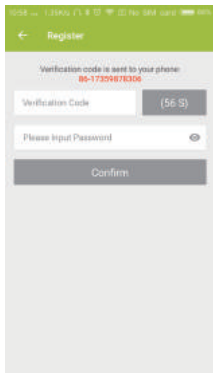
Fig 2-3   Fig 2-4

Step 3 Connect your Wi-Fi signal

On your thermostat

With power off, press and hold the ∇ arrow for eight (8) seconds. The backlight will be on and the icon 📶 will flash one time per sec..

Then, go back to the home page of your app

Press the ＋ on the upper right corner of the page (see Fig 3-1) to add your device. Click Confirm indicator rapidly blink (Fig 3-2) then select your network and back to your app to enter the password of your wireless router (Fig 3-3) and confirm. The app will connect automatically (Fig 3-4). This may typically take up to 5~90 seconds to complete. Your room name could be edited when the device is connected (Fig 4-4).
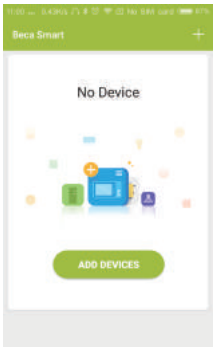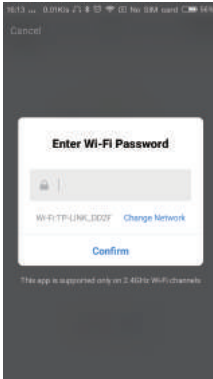

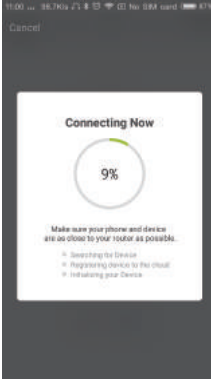Fig 3-1   Fig 3-2

Fig 3-3   Fig 3-4

This is EZ mode which provides fast network connection between your app and your device. If your router doesn't support it or your wifi signal is weak or you can not connect by EZ mode, press the AP Mode on the upper right corner in Fig 3-2.

If you have connected your thermostat successfully, please ignore the AP setting as below.

On your thermostat

With power off, press and hold the ∇ arrow for eight (8) seconds. The backlight will be on and the icon 📶 will flash one time per sec.. Press and hold the ∇ arrow for eight (8) seconds again. The icon will flash one time every (3) seconds.

Then, go back to the home page of your app

Click Confirm indicator slowly blink (Fig 4-1) then select your network and back to your app to enter the password of your wireless router (Fig 3-3) and confirm. The app will go into the page in Fig 4-2.

Press *Connect now* to select the wifi signal *Smartlife-XXXX* of your thermostat (Fig 4-3). Go back to your app and click *Connect now* then the app will connect automatically (Fig 3-4) This may typically take up to 5~90 seconds to complete. Your room name could be edited when the device is connected (Fig 4-4).
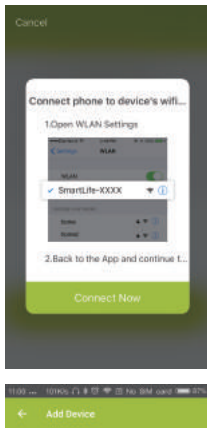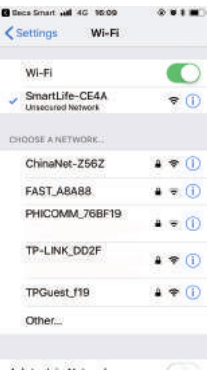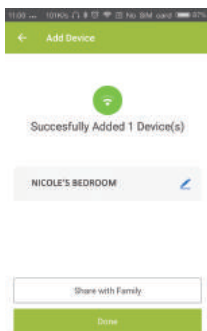

Fig 4-1   Fig 4-2

Fig 4-3   Fig 4-4

PROGRAMMING YOUR THERMOSTAT

When your room is established successfully, it will display on the home screen (Fig 5-1). The round button is to turn on/off your room. Click the line into begining programming your thermostat.

⏻ Power on/off button. When the screen is bright, it is power on; when the screen is dark, it is power off.

❄ Mode button. In this mode you can set cooling, heating and ventilation. ❄ is heating, ❄ is cooling and ❄ is ventilation.

✳ Low ▶ Fan Speed button. Press this button to select auto, low, med and high speed. ↻ is auto speed, ↻ is low speed, ↻ is med speed, and ↻ is high speed.

✋ Manual button. In this mode your heating can be set manually (i.e. (i.e. NOT using the pre-programmed settings)

⊙ Program button. When this button shows, your thermostat is in program mode and will follow any pre-set heating schedule. When in Manual mode, press the ⊙ button to select mode ⊙ and vice-versa.

⊘ Econony button.In this mode,the temperature will be keep at 26 degree.This temperature cannot be changed or adjusted (Fig 5-4).

🔒 Lock/Unlock button. If button is green, the screen is "locked". If button is grey, the screen is "Unlocked"

* Slide the yellow button backwards or forwards to manually adjust the temperature, the temperature will show in the centre

of the page. After a few seconds the current room temperature will show.

* When in Program mode, click on the schedule setting (at the bottom of the page) to be taken to the schedule page(See Fig 5-2) where you can simply click on the working days (Mon-Fri) and then the time/Temp. to adjust to your prefered schedule.
* You can set 6 periods - time and temp. (Fig 5-3)
* Repeat the above after clicking on the Weekend (Sat –Sun) settings at the top of the page
* Once your schedule has been set, click on SAVE and the app will send the programming to your thermostat and confirm the schedule has been saved.
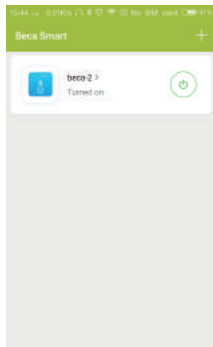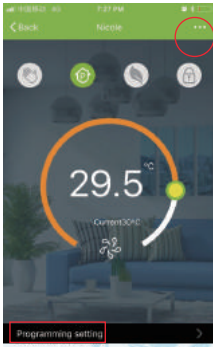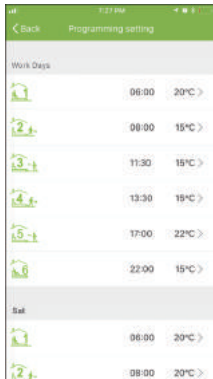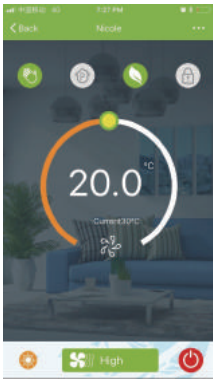

Fig 5-1   Fig 5-2

Fig 5-3   Fig 5-4

How to create a group?

Press the menu button in the red circle (Fig 5-2) then click *Create Group* (Fig 6-1). Select all the rooms you want and confirm.
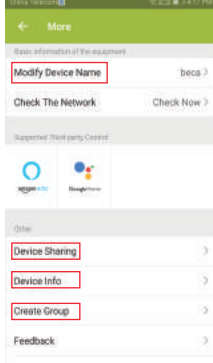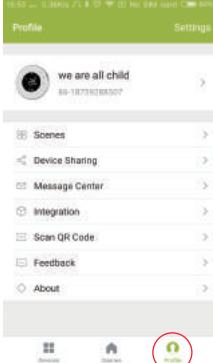

Fig 6-1   Fig 6-2

The one who create this group can control all the rooms at the same time.

Note

Except create the group, in this menu page, you can also modify your device name, share your device, get the information of your device.

How to share your device with your family member?

Way 1: Mentioned in the above.
Way 2: Click your Profile at the right bottom of your main page (Fig 6-2). Select Device Sharing then add the account you want to share.
You can see the sharing account you have sent and the device you have shared in this sharing page.
You don't need to do anything if you are the one shared.
You can add as many as rooms you want.

How to connect your device to Amazon Echo or Google Home?

In your profile, click *Integration* into the using page. Press *Use Now >* (Fig 7-1) for your Amazon Echo or Google Home or Tmall Genie or IFTTT then you can see the operation steps.
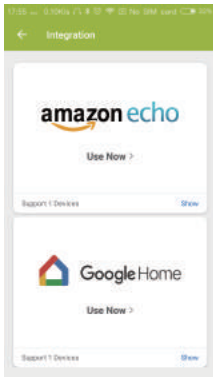

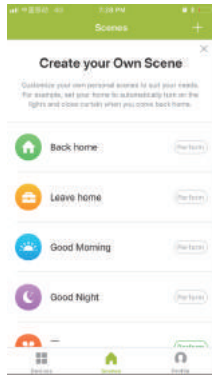Fig 7-1   Fig 7-2

What is your Smart Scene and How to use it?

Customize your own personal scenes to suit your needs.For example, set your home to automatically turn on thermostat on when you back home (Fig 7-2).Press ＋ button into the setting.

Step 1: You can set a condition for Task like Temperature below 20 degree,then click Save.(Condition:Temp.,Humidity,Wether,PM2.5, Air Quality,Sunrise/Sunset,Device)

Step 2: Add a task. Press ⊕ to Select Device (Power,Set Temp,Lock Mode) to act, then Save.If you want to delete the scene,you can press Delete in the end.

NOTE: The room sound could be turned on/off in PROFILE-SETTING-SOUND. The sound is matched with the default of your system .

SIMPLE EXCEPTION HANDLING

No.	Phenomenons	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 high senior options

SERVICE

Your thermostat carries an 24 months warranty from date of purchase. Service outwith the warranty period may incur a charge. More detail please contact with us directly.