Beca BAC-6000 Series Round Thermostat User Guide

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Beca BAC-6000 Series Round Thermostat User Guide

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.

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ABOUT YOUR THERMOSTATS

BAC-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
- 3 : BACnet communication
- W : Wifi connection
- K : Keycard

- T : Clock
- W2 : Window
- P : Programmable
- E : External Sensor
  For example: BAC-6000AW

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 visible thickens 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.

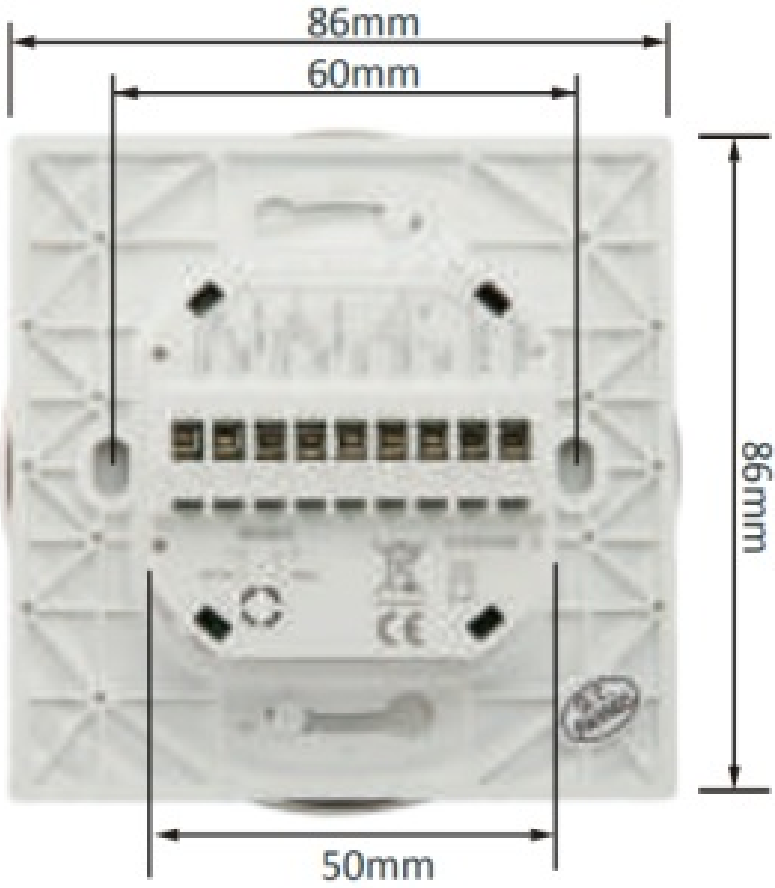
On Functionality

1. Powerful functions are available such as BACnet/Modbus/WIFI etc,.
2. 0.5°C Accuracy keeps temperature within the level you set.
3. °C & °F is changeable. (Customized Function)
4. Data memory when power is off.
5. 5+2 six periods programmable maximize comfort and economy.
6. Creat thermostat group to Centralized control
7. Interated with amazon echo and google home 8. All setting languages synchronize your time zone, address and language

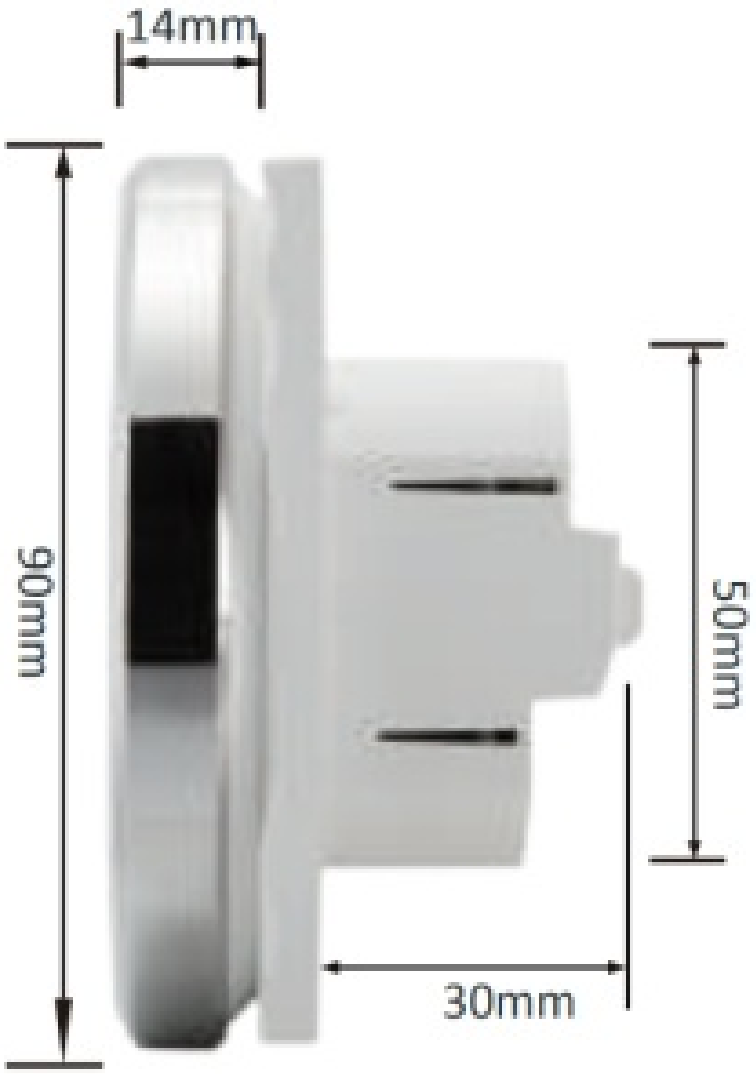
DIMENSION

FRONT VIEW

BACK VIEW



SIDE VIEW



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
Accuracy: ±0.5 C
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 (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: Capacitive Touch Buttons

BEFORE WIRING AND INSTALLING…

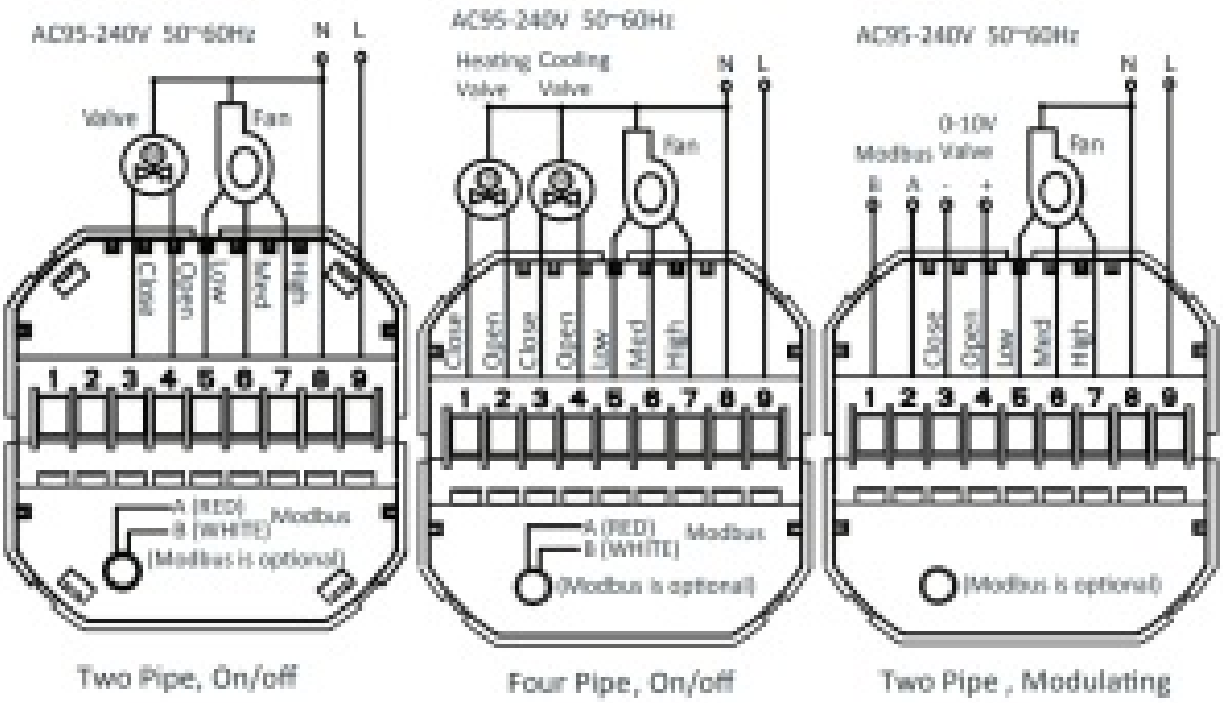
1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.

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 instructions.

CAUTION

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

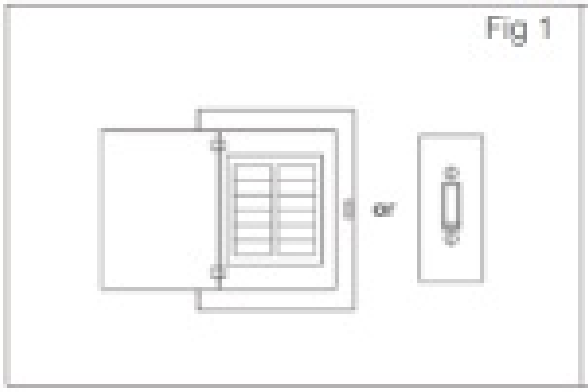
WIRING



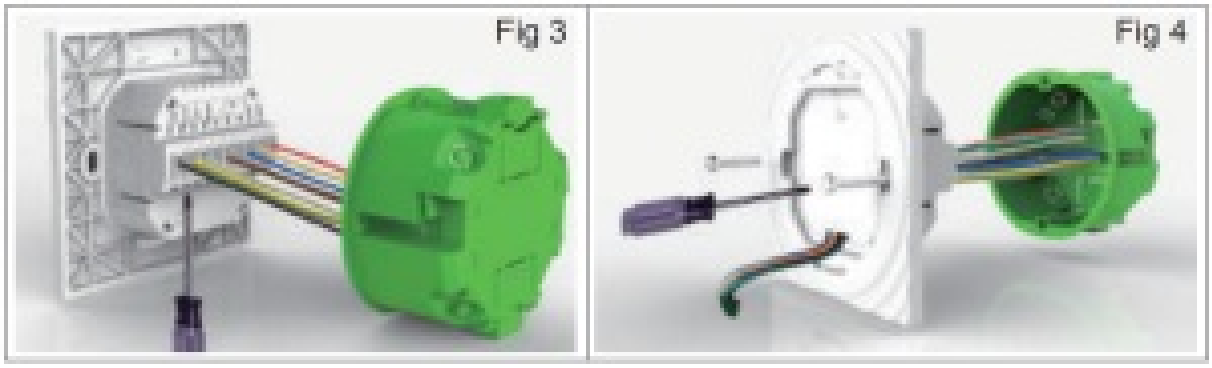
INSTALLATION

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

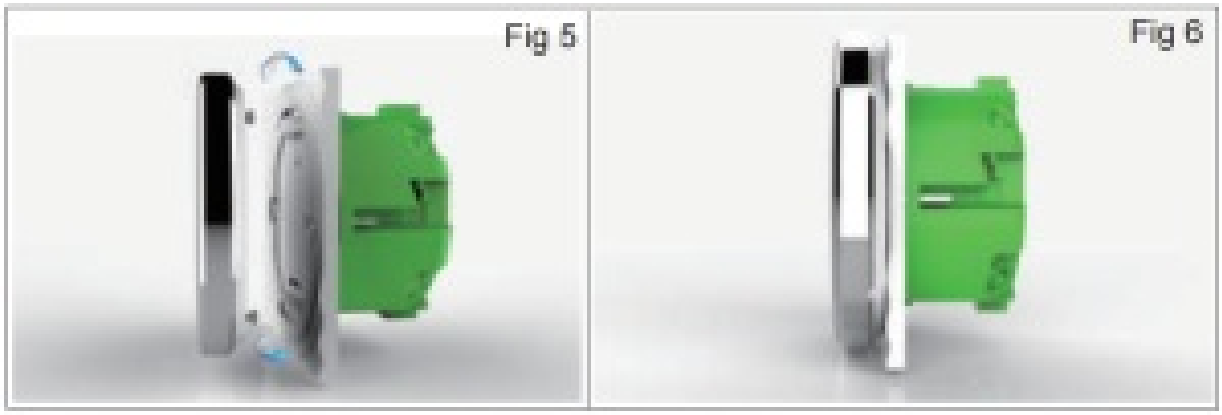
1. Keep the electricity off. See Fig 1.
2. Remove the mounting Plate by rotating the LCD part. See Fig 2.



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



5. Fasten body of thermostat and the mounting plate through rotating. See Fig 5.
6. Installation complete. See 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. Energy saving (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. C or F
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 to select manual and press V to select weekly programmable.
3. **Setting Temperature In the mode of manual,**
   press V to set temperature. will display in the left corner of screen.
4. **Locking Your Thermostat**
   Press and hold the 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 (See Fig 9-3).
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 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
   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 etc 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 and arrows to adjust the time for the 1st (Comfort) period Press the icon M and use the 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) (12 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	6:00	20°C	6:00	20°C	6:00	20°C
Period 2	8:00	15°C	8:00	20°C	8:00	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

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°C	-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.	1
4	Heat/cool	00:Cool only 01:Heat/Cool	1
5	Min. Set Temp.	5 to 15°C	5
6	Max. Set Temp.	5 to 35°C	35
7	12/24 hours	00:12h 01:24h	1
8	Display Mode	00: Display both set temp. and room temp. 01: Display set temp. only	0
9	Energy saving Mode	00: Non-energy saving Mode 01: Energy saving Mode, set Temp. keep economy Temp.	0
A	Heating Economy Temp.	10 to 30°C	20
B	Cooling Economy Temp.	10 to 30°C	26
C	Dead band Temp,	1 to 5°C	1
D	Standby Brightness 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

1. **Download your APP (Figs-1)**
   Search for “Smartlife” in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

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

2. **Connect the thermostat**
   Check the tutorial below to complete the connection and setup.
   1. Scan the QR code to configure the network guide (Fig 2.1-Fig 2.3)

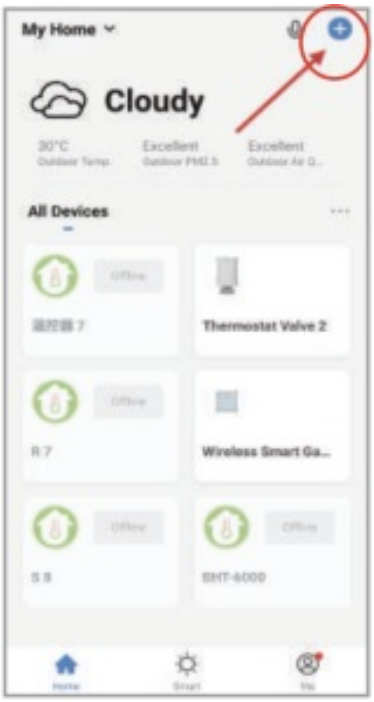


Fig2.1

Fig2.2

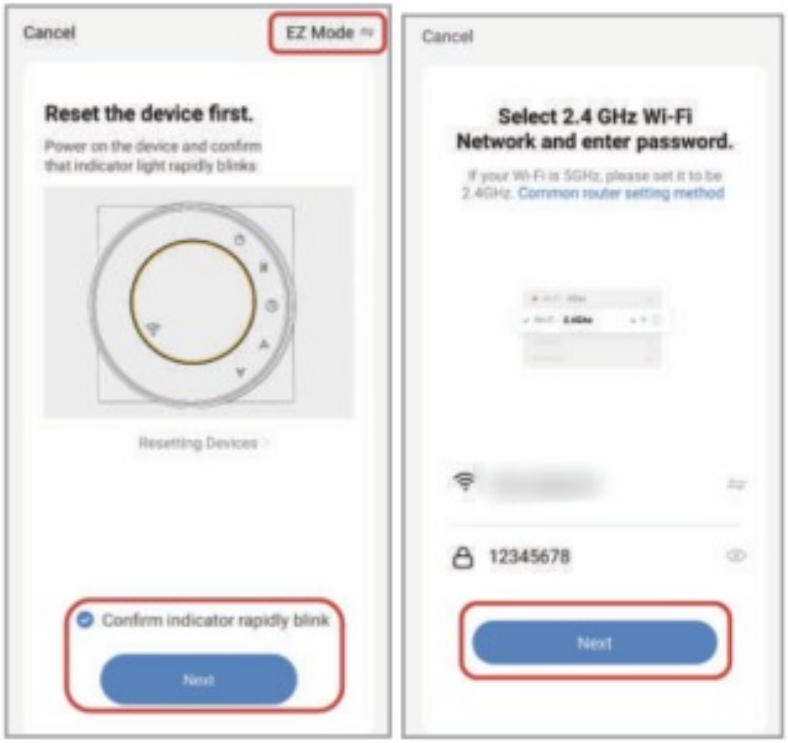
Fig2.3

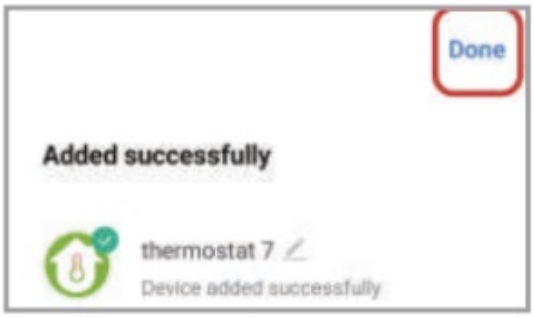
   2. Ordinary distribution network guidance (Fig. 2.1 & Fig. 2.3.1)

Network distribution mode

1. **EZ Mode**

   When the thermostat is off, press and hold the ” “until the thermostat screen flashes quickly and displays the ” ” icon, and then operate according to the following figure (Fig 2.4-Fig 2.7).





2. **AP Mode**

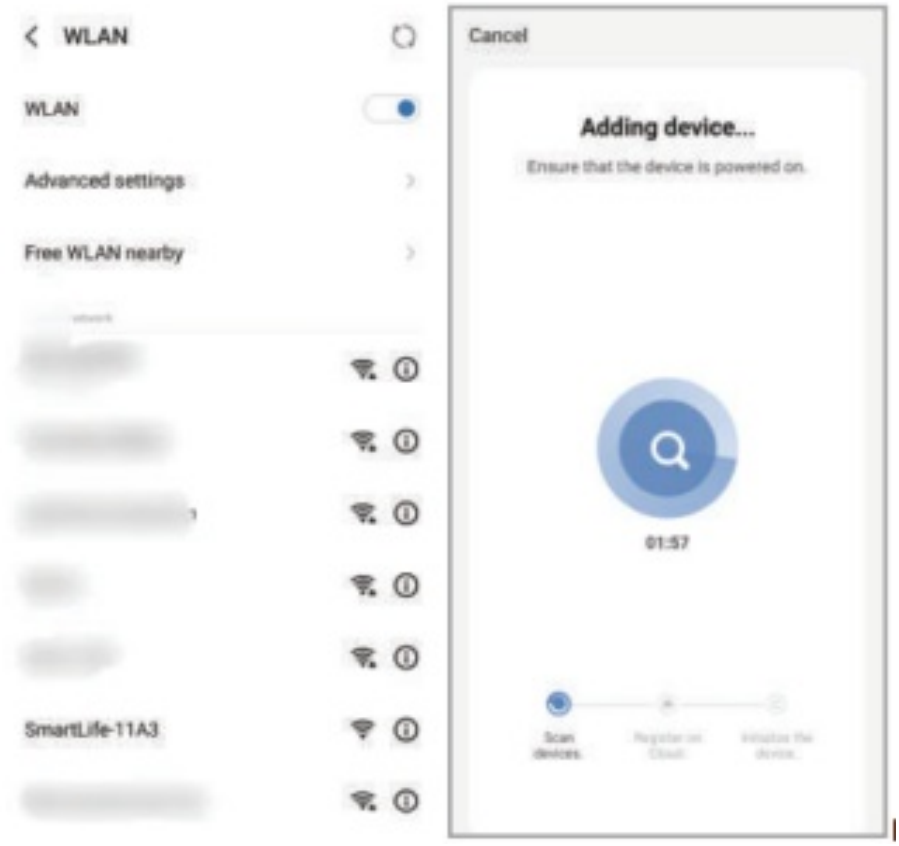
When the thermostat is off, press and hold the ” “until the thermostat screen flashes slowly and the “ ” icon is displayed (if the “ ” icon appears, continue to press the ” ” until the thermostat screen Flashes slowly and displays the “ icon), and then operate according to the following figure (Fig 2.8-Fig 2.14).

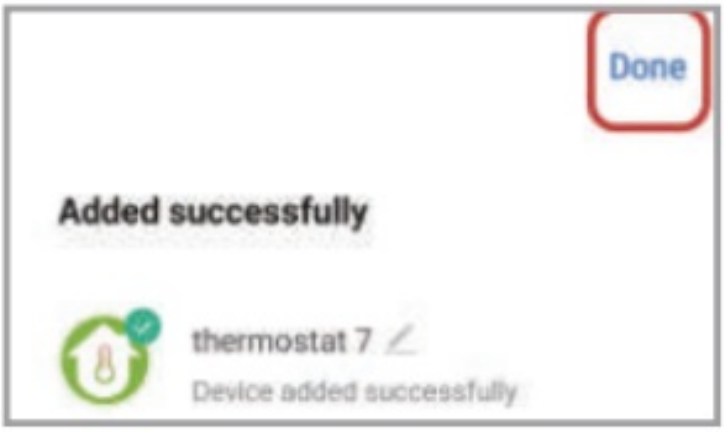
Cancel
AP Mode
EZ Mode
Default
AP Mode
QR Code
Confirm indicator slowly blink

Cancel
AP Mode
Reset the device first.
Power on the device and confirm that indicator light slowly blinks
Resetting Devices
Confirm indicator slowly blink
Next

Cancel
Select 2.4 GHz Wi-Fi Network and enter password.
If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method
12345678
Next

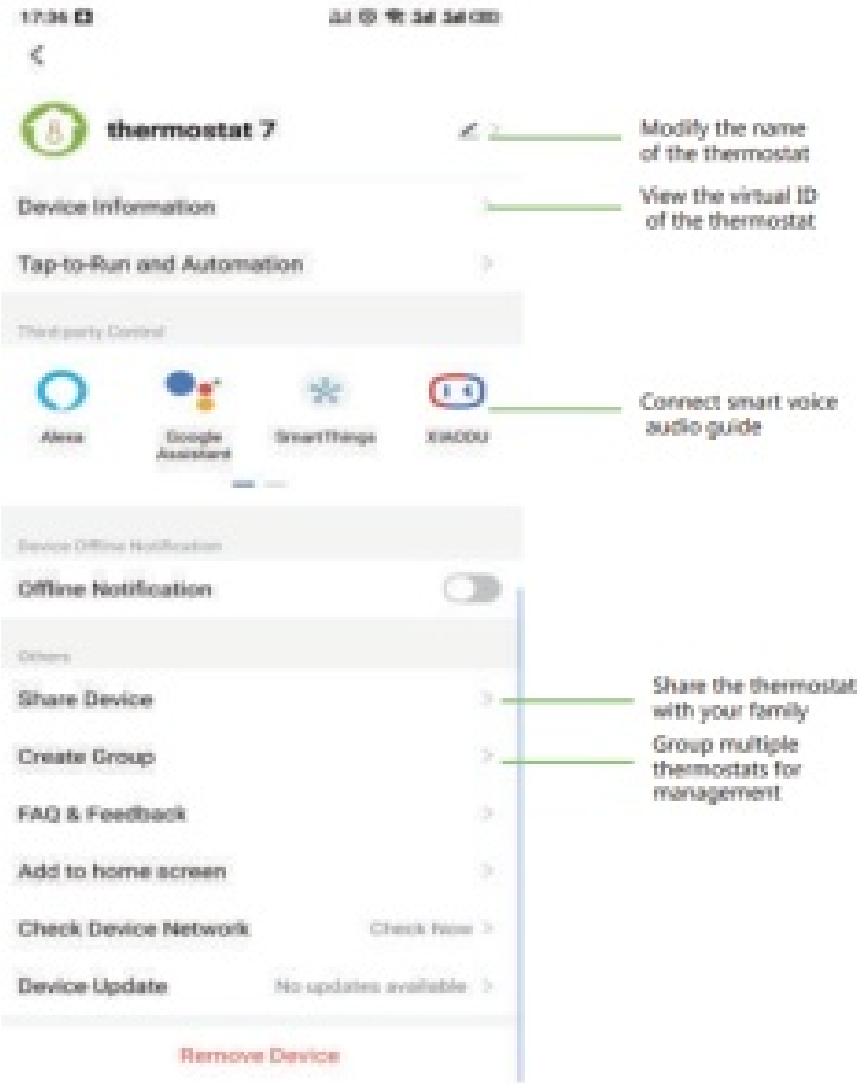
Cancel
Connect your mobile phone to the device's hotspot
1. Please connect your phone to the hotspot shown below
SmartLife-XXXX
SL-XXXX
2. Return to this app and continue adding devices
Go to Connect





APP operation interface description (FCU thermostat)

More settings



SIMPLE EXCEPTION HANDLING

No.	Phenomenon's	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 out with the warranty period may incur a charge. More detail please contact with us directly.

Documents / Resources

Beca BAC-6000 Series Round Thermostat [pdf] User Guide
BAC-6000, Series Round Thermostat

Related Manuals / Resources

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BHT-6000 Series Round Thermostat BHT-6000 Series Round Thermostat User Guide 7 . No limitto add rooms and support…

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The Round Non-Programmable Thermostat

T8775A1009/U Installation Instructions [pdf]: T8775A-C Digital Round Installation Instructions [pdf]: The Digital Round Non-programmable Thermostat Owner's Guide [pdf]:…

Beca BAC-8000 Series Modern Square Touch Screen Room Thermostats User Guide

BAC-8000 Series Modern Square Touch Screen Room Thermostats 20 ABOUT WIFI WI-FI CONNECTION Before using your Wi-Fi thermostat…

Manuals+,

- home
- privacy