



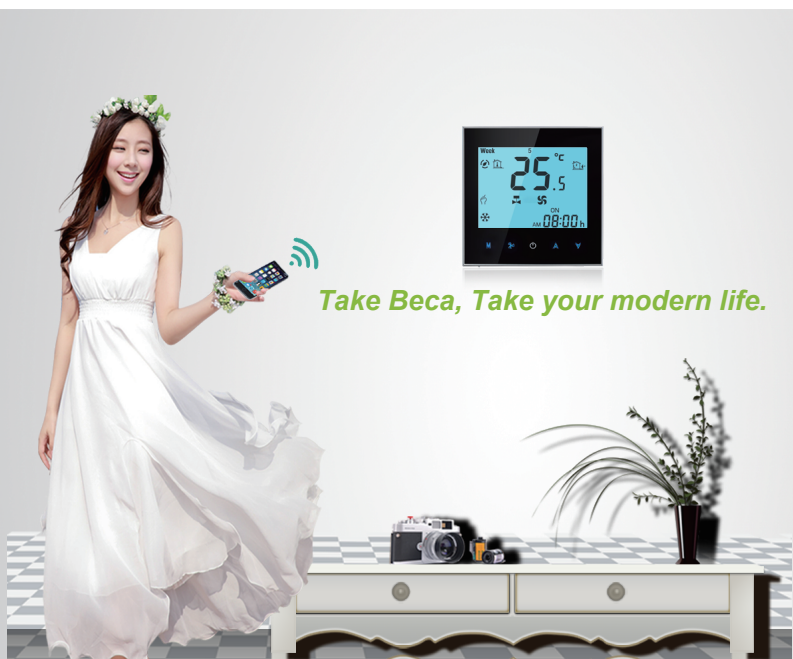
IOS



Android



BUILDING ENERGY SAVING FAN COIL UNIT WIFI THERMOSTAT



Take Beca, Take your modern life.

FEATURES

- C** Convenient operation creates convenient life.
- O** Options of black and white housing.
- M** Manage your home temp. even when you are in any place around the world at any time.
- F** Fashion design blends in with any décor.
- O** Zero service fee.
- R** Remote controlled by mobile APP or computer (WIFI).
- T** Touch Screen display with backlight is easy to read—even in the dark.
- A** Accuracy of 0.5 °C keeps your comfortable temperature within the level you set.
- B** Bright buttons always remind you the world truly exist.
- L** Lovely price helps you save not only energy.
- E** Easy UI interface could be used even by child.

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 ensure a suitably qualified person installs your thermostat and complies with all local regulations.

Service

Your thermostat carries an 18 month warranty from date of purchase. Service outwith the warranty period may incur a charge.

In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc

ABOUT YOUR THERMOSTATS

BAC-1000 series Modern 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 by your mobile phone. No matter you stay at home or abroad, you can control your room temp. easily.

MODEL DEFINITION

A: Two pipe; Control Fan Coil Unit and Two Wired Motorized Valve.

M: Two pipe; Control 0-10V Motorized Valve(Pending)

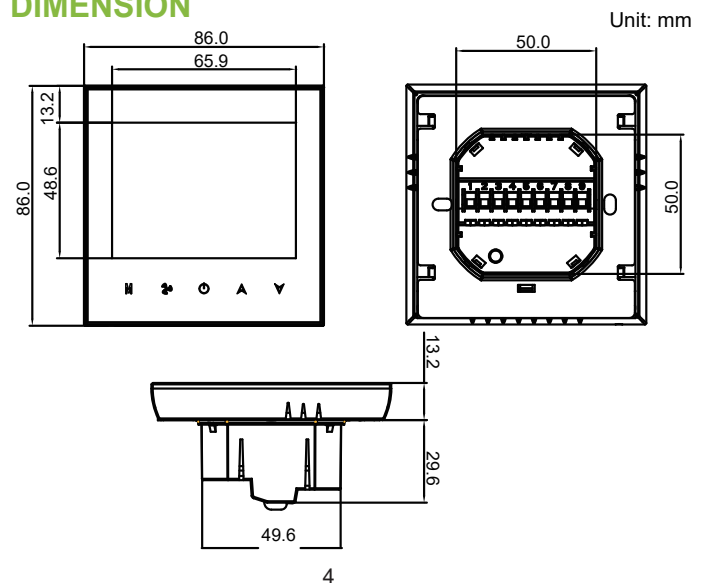
E: Four pipe; Control Fan Coil Unit and Two Wired Heat and Cool Motorized valve.

W: Wifi connection

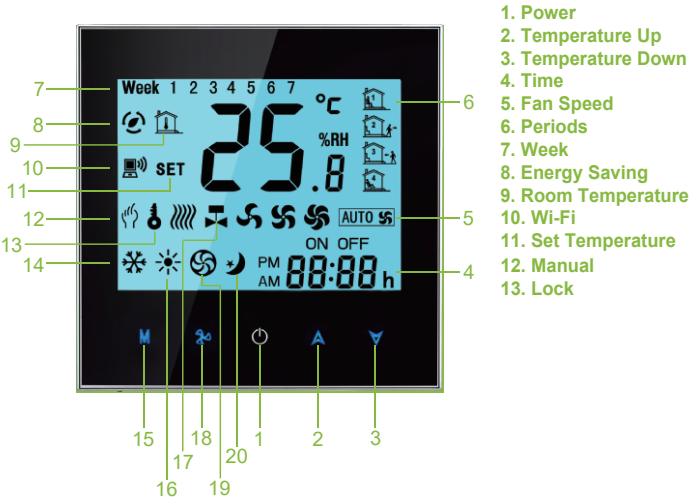
For example: BAC-1000AW

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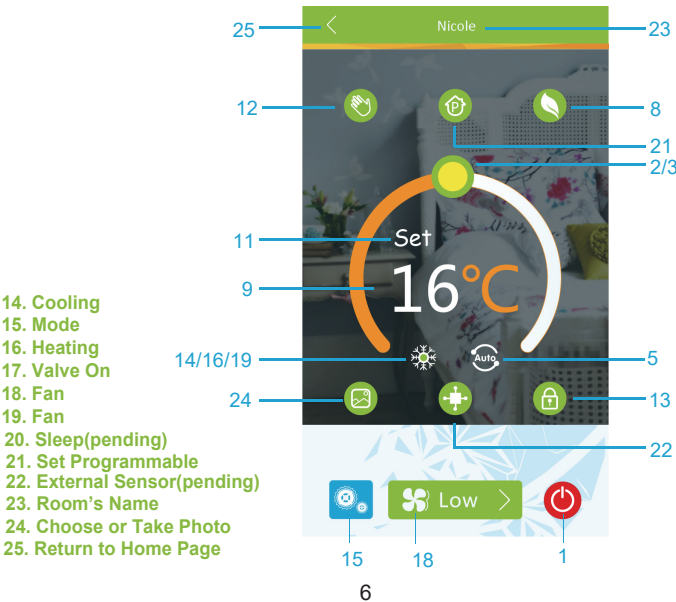
DIMENSION



HOME SCREEN QUICK REFERENCE



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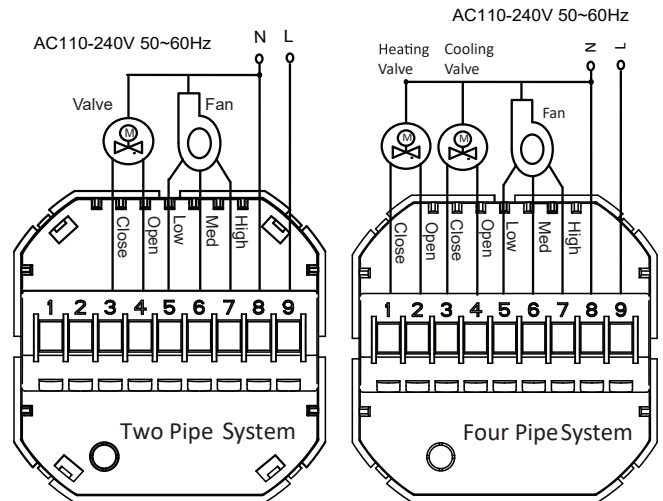
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TECHNICAL DATA

Sensor: NTC
 Accuracy: $\pm 0.5^{\circ}\text{C}$
 Temp. Range: $5\text{--}35^{\circ}\text{C}$
 Power Consumption: $<1.5\text{W}$
 Timing error: $<1\%$
 Power Supply: $110\sim 240\text{V}$, $50\sim 60\text{Hz}$
 Current Load: 3A for valve and 5A for fan
 Shell Material: PC+ABS (Fireproof)
 Dimension: $86\times 86\times 13.3\text{mm}$
 Installation: $86\times 86\text{mm}$ or European 60mm round box
 Ambient Temp.: $0\sim 45^{\circ}\text{C}$, $5\sim 95\%\text{RH}$ (Non condensing)
 Storage Temp.: $-5\sim 55^{\circ}\text{C}$
 Housing Color: White/Black

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WIRING

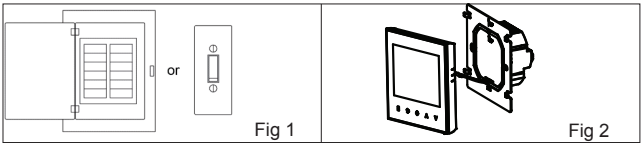


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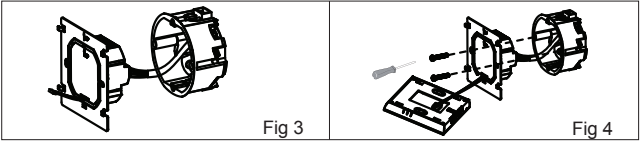
INSTALLING YOUR THERMOSTAT

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

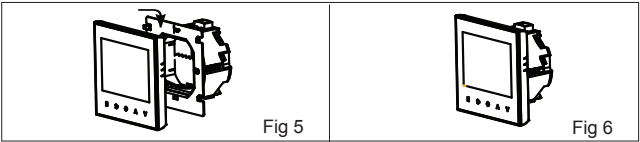
- Step 1. Keep power off. See Fig 1.
Step 2. Remove the mounting Plate. See Fig 2.



- Step 3. Connect power supply, load and external (floor) sensor into the appropriate terminals if there is external sensor. (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



- Step 5. Fasten body of thermostat and the mounting plate through the groove. See Fig 5.
Step 6. Installation complete. See Fig 6.





RISK OF ELECTRICAL SHOCK. Disconnect/isolate power supply prior to making electrical connections. Contact with high voltage components can cause electrical shock, severe injury or death.

OPERATION


1. Setting the power

Press  to turn on/off the thermostat.

2. Selecting manual and programmable


Press and hold **M**,  will flash. Press **M** again,  will flash. Press **A** to select manual and press **V** to select weekly programmable.

3. Setting the temperature


- In the mode of programmable, set temperature, time and timing on/off could not be adjusted. If the user want to change, please go to manual mode or programmable setting.
- In the mode of manual, press **A** or **V** to set temperature.  will display in the left corner of

screen.

4. Setting WIFI

Press and hold **A** **V** for 8 sec. to begin the WIFI setting. The icon  will display on the screen. Press and hold **A** **V** again for 8 sec. back to factory setting.



5. Setting the fan

Press  to select the fan speed AUTO, HIGH, MED, LOW.



6. Selecting the 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.

7. Setting the sleeping (Customized Function)


Press and Hold **M** to set the sleeping.  will flash.
 Press **A** to confirm.
 When sleeping is selected, the set temp. will be 1 °C lower or higher than the original every 30 min.
 8 hours later, the sleeping will cancel automatically.
 For example, in cooling mode, setpoint is 26 °C ,
 30 mins later, the setpoint will become 25 °C ;
 1 hour later, the setpoint will become 24 °C ;
 1.5 hour later, the setpoint will become 23 °C ;
 2 hour later, the setpoint will become 22 °C ;
 Then 22 °C will keep for another 6 hours. Totally 4 °C could be different. Press and Hold **M** to set the sleeping.  will flash. Press **V** to cancel.

8. Setting the clock



Press and hold **M** ,  will flash. Press **M** again,  will flash.

Press **M** to set minutes of the time;
 Press **M** to set hours of the time;
 Press **M** to set week of the time;
 Then the time will save automatically several sec. later.



9. Setting lock

Press  **A** to lock/unlock the screen. Go to the item 3 of setting functions and options to select the locking mode.

10. Adjusting the weekly programmable

Press and hold **M** ,  will flash. Press **M** again,  will flash.

10. Adjusting the weekly programmable

Press and hold **M**,  will flash. Press **M** again,  will flash.

Press **M** to set minutes of the time;

Press **M** to set hours of the time;

Press **M** to set week of the time;

Press **M** into the adjustment of programmable.

Then press **M** to change the different items.


Press **▲** or **▼** to set the relative values.

The order is Minute adjusting→ Hour adjusting
→ Week adjusting→ Minute timing-on → Hour
timing-on→ Minute timing-off→ Hour timing-off→
Temperature adjusting (“12345”, “67”, is “5+2”
programmable mode, every mode has two times

zones and a time temperature setting).

Week	First Period			Second Period		
	Turn-on me	Turn-off me	Set temp.	Turn-on me	Turn-off me	Set temp.
Mon. to Fri.	1	2	3	4	5	6
Sat. & Sun.	7	8	9	10	11	12

11. Setting functions and options

During power off, press and hold **M**  at the same time for 5 sec. to system functions. Then press **M** to change the different items.

Press **▲** or **▼** to set the relative values.

All the settings will confirm automatically when power is on.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to +9°C	-2
2	Fan Control	00: When room temp. Reaches the setpoint, the fan will turn off. 01: When room temp. Reaches the setpoint, the fan will turn to low speed.	00
3	Botton locking	00: All bottons are locked except power button. 01: All bottons are locked.	00
4	Heat/Cool	00: Cool only 01: Heat/Cool	01
5	Min. Set Temp.	5-15°C	5
6	Max. Set Temp.	5-35°C	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	Not available for this thermostat		
A	Not available for this thermostat		
B	Deadband Temp.	1-5°C	1

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 **ANDROID** devices, search for BECA ENERGY in Google Play and download. Alternatively, scan the relevant QR code here.

For **IOS** devices, search for BECA ENERGY in Apple Store and download. Alternatively, scan the relevant QR code here.

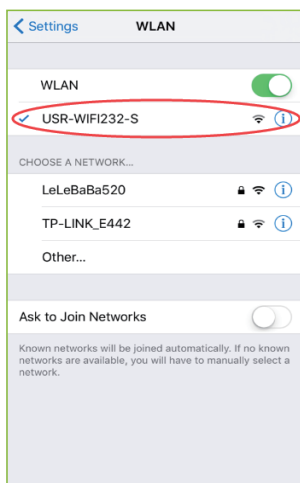
Step 2 Connect your Wi-Fi signal

On your thermostat

With power on, press and hold the **▲** and **▼** arrows simultaneously for eight (8) seconds. The icon  will flash.

Then, on your smartphone/tablet

Open the Wi-Fi networks (usually found in “Settings”) and connect to SSID USR-WIFI232-S signal being broadcast by your thermostat (see Fig 2)



(Fig 2)

2. Open the App (fig 3) and you will be taken to the first settings page (fig 4)



(Fig 3)

3. The first setting page (Fig 4) is used to select your server address. Please choose the default server directly. If your thermostat is customized, contact with us. We will help you to do the server configuration setting.

4. Go to the home page (Fig 5). Press + of the small house to add your room (Fig 5).

Note 1:

You can add 12 rooms totally. If you want to increase the quantity, please contact with us.

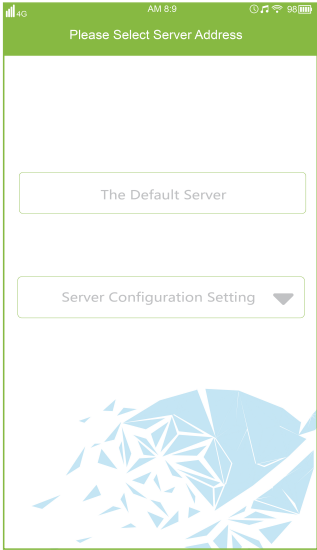
Note 2:

Set temp., room temp., fan speed, room' s name, wifi signal and power button will display in the round room.

Orange round stands for heating mode;

Blue stands for cooling mode;

Green stands for ventilation mode;



(Fig 4)



(Fig 5)

Grey stands for non-connection.
Blue wifi means the thermostat has communicated successfully.
Grey wifi means the communication fails.
Green button ON means the power is on.
Grey button OFF means the power is off.

Note 2:

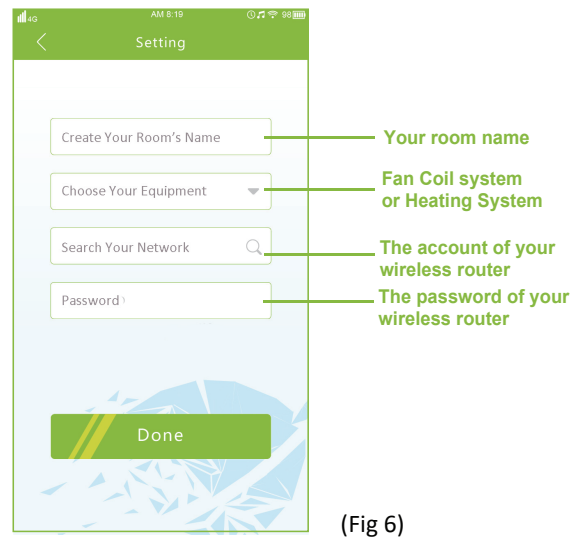
How to delete the room?
Press and hold your room for 3 seconds into the page.
Press the trash can to delete your room.

Note 3:

One thermostat (ID) could be controlled by many phones. Please notice the different phone could not work at the same time.

5. Then go to the page of room name creating, equipment selecting, network searching and password














entering (Fig 6). Press Done to finish the setting.

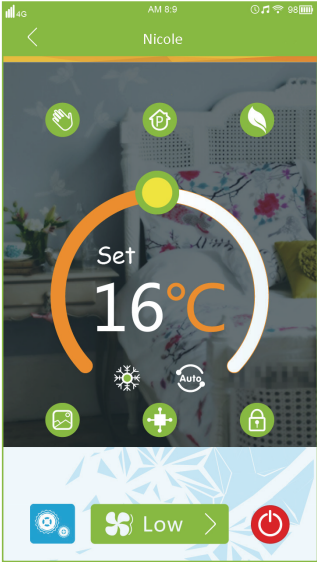


Note 1:









When pressing Done, you should wait about 5-60 s for ID searching then your thermostat will match with your phone. Also 5-60 seconds network searching time is normal.

6. Enter your room and begin operation(Fig 7).

- Press  to turn off the power.
- Press  to turn on the power.
- Press  to change cooling, heating and ventilation.
   will display in the screen.
-  Low > Press it to select the fan speed AUTO, HIGH, MED and LOW.     will display in the screen.
- Press  to unlock the screen.
- Press  to lock the screen.



(Fig 7)

- Press  to select internal sensor or external sensor. It is customized function.
- Press  to choose or take photo for your room.
- Press  to your economy mode. In this mode, the heating set temp. will become 26 °C and cooling set temp. will become 20 °C. It could not be changed to other degree at present.
- Press  to the manual mode.
- Press  to the programmable mode.
- Press  to the set the temp. and time of schedule (Fig 8)
- Slide  to set the temp. It also stands for the wifi signal is communicated successfully.
-  It stands on the wifi signal is off or on communicating.

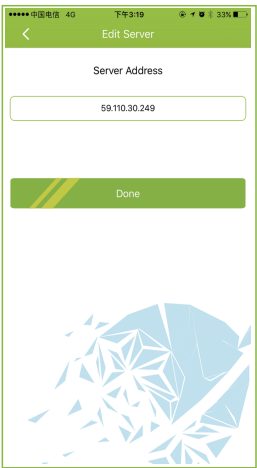


(Fig 8)

7. If you want to change your server, go to the home page and press the menu in the right top corner.



(Fig 9)



(Fig 10)