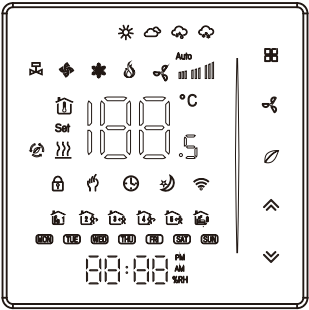


BAC-006 Series zigbeeI Thermostat
User Guide



For Fan Coil Unit
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

Table with 4 columns: Item, Quantity, and Description. Rows include Thermostat (1pc), User Guide (1pc), QC Passed (1pc), Screws (2pc), and Wall plate (1pc).

ABOUT YOUR THERMOSTATS

BAC-006 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

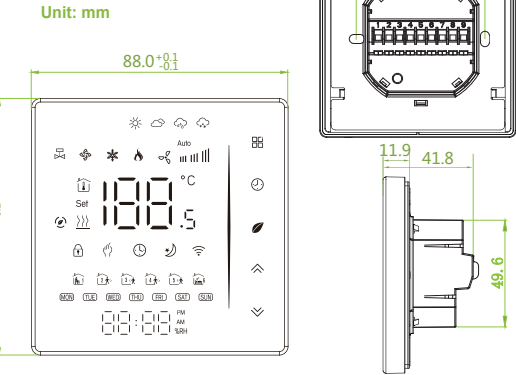
- A : Two pipe; Control Fan Coil Unit and Two Wired Motorized Valve
- M : Two pipe; Control Fan Coil Unit and 0-10V Motorized Valve
- E : Four pipe; Control Fan Coil Unit and Two Wired Heat Valve and Two Wired Cool Valve.

- W : Wifi connection
 - K : Keypad
 - W2 : Window
 - E : External Sensor
 - T : Clock
 - P : Programmable
- For example: BAC-006AW

- FEATURES
On Appearance
1. 86mm hidden box and European 60mm round box is suitable.
2. Full white appearance, perfectly integrated into your family.
3. LED matrix light, simple display, energy saving, protect your eyes.
4. Touch buttons to make simple operation.
5. Amazing Silver Frame opens your modern life.
6. The visible thickness above the wall is only 12mm.
7. Interlock to connect gives you easy installation.

- On Functionality
1. 0.5 °C Accuracy keeps temperature within the level you set.
2. Data memory when power is off.
3. 5+1+1 six periods programmable maximize comfort and economy.
4. Temporary programmable.
5. All setting languages synchronize your time zone, address and language.
6. No limit to add thermostats in App and support Smart Scene..
7. Create thermostat group to Centralized control.
8. Integrate with Amazon Echo, Google Home, Tmall Genie.
9. Support device sharing.

DIMENSION



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 °C
Accuracy: ±0.5 °C
Display Temp. Range: 5 ~ 99 °C
Ambient Temp.: 0~45 °C
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.: -5~ 45 °C 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 x2.5 mm²
Protection Class: IP20
Buttons: Capacitive Touch Buttons

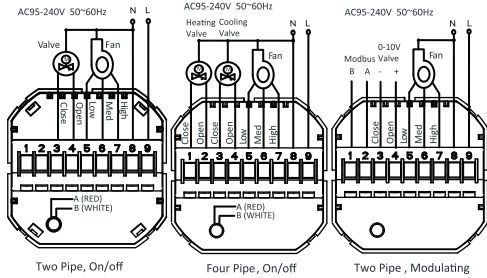
BEFORE WIRING AND INSTALLING...

- 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

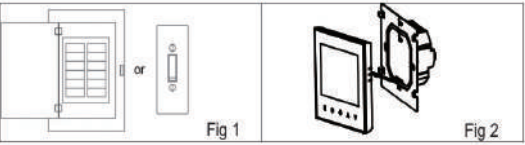
Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry.
Disconnect power supply before installation.

WIRING

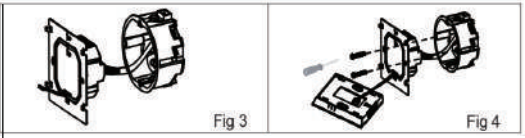


INSTALLATION

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



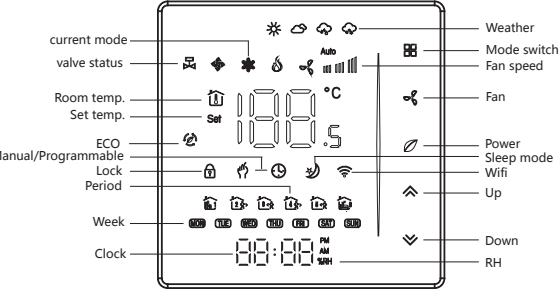
- Step 3. Connect power supply, load into the appropriate terminals. (see "Wiring your thermostat" for details and Fig 3).
- Step 4. Fix the mounting plate into the wall with screws in the box. See Fig 4.



Step 6. Installation complete. See Fig 6.



HOME SCREEN QUICK REFERENCE



Note: The weather and humidity will be synchronized within 1 hour after the device is connected to the Internet for the first time, and the weather will be synchronized every hour thereafter.
Press the up/down arrows in the power-on state to display the humidity and set temperature

OPERATION
During Power On

- 1. Power On/off: Press the power button to turn the thermostat on/off.
- 2. Manual & Programmable: Press and hold the mode button, the fan will flash. Press the up/down arrows to select manual and press the down arrow to select weekly programmable.
- 3. Setting Temperature: In the mode of manual, press the up/down arrows to set temperature. The fan will display in below the middle of the screen..
- 4. Locking your Thermostat: Press and hold the up/down arrows 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 the mode button 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 the fan speed button to go to select the fan speed AUTO, HIGH, MED, LOW.
- 7. Set Clock: Press and hold the mode button, the fan will flash. Press the mode button to set minute, hour and weekday. by using the up/down arrows, after 3 seconds the value will be confirmed automatically.
- 8. Adjusting the Weekly Programmable: Press the mode button to do the adjustment of weekly programmable. Then press the mode button to change the different items. Press the up/down arrows 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 the mode button to change between manual mode, the fan will show in the bottom left of the screen. Touch the icon for four times until the weekday schedule settings appear (1 2 3 4 5 will show along the top of the screen). Use the up/down arrows to adjust the time for the 1st (Comfort) period Press the icon and use the up/down arrows to set the temp. for the 1st period. Repeat this process for periods 2 – 6. Press the icon 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 the icon once more to confirm and exit.

Default settings for program schedule

Table with 7 columns: Time display, WEEKDAY(MONDAY-FRIDAY) (1 2 3 4 5 shows on screen), WEEKDAY(MONDAY-FRIDAY) (6 shows on screen), WEEKDAY(MONDAY-FRIDAY) (7 shows on screen), TIME, TEMPERATURE, and TEMPERATURE. Rows include Period 1, Period 2, Period 3, and Period 4.

In the mode of programmable, set temp., time could not be adjusted.

Method Two

Use APP for one week of programming settings, please refer to the second page "Programming your thermostat"
During Power Off
Setting the Functions and Options
When power is off, press and hold the mode button and the power button at the same time for 5 sec. in order to reach system function.
Then press the mode button to change the different items.
All the settings will confirm automatically when power is on.

Table with 4 columns: Code, Function, Setting and options, and Default. Rows include Temperature compensation, Fan control, Button Locking, Mode Select Custom, Min.Set Temp., Max.Set Temp., 12/24 hours, Display Mode, Energy-saving Mode, Heating Energy-saving temperature, Cooling Energy-saving temperature, Daytime display brightness, Brightness at night, Deadzone Temp., and Version number.

About ZigBee

ZigBee CONNECTION

Step 1 Downlod your APP (Fig 1-1)

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.



Fig1



Fig2 IOS/Android

Step 2. The second step is to confirm that you have connected to the Tuya zigbee wired or wireless gateway. For the gateway connection process, please refer to the manual of the gateway you purchased; the following process is based on the "wireless smart zigbee gateway".

Step 3. Connect the thermostat

Check the tutorial below to complete the connection and setup.

Method 1: Scan the QR code to configure the network guide (Fig 3.1-Fig 3.4)

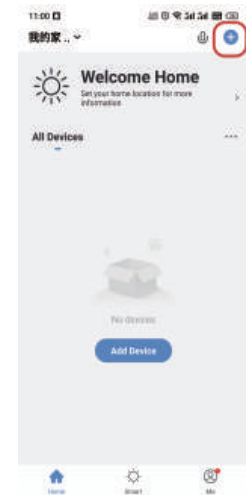


Fig3.1



Fig3.2

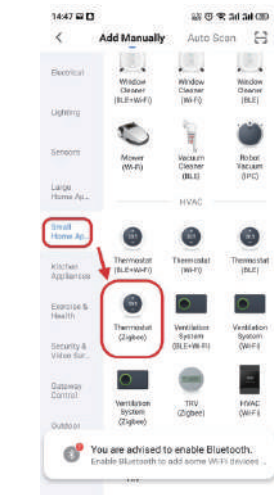


Fig3.5

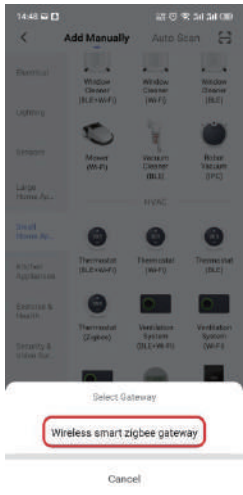


Fig3.6

Method 2: Ordinary distribution network guidance (Fig. 3. 5 & Fig. 3.6)

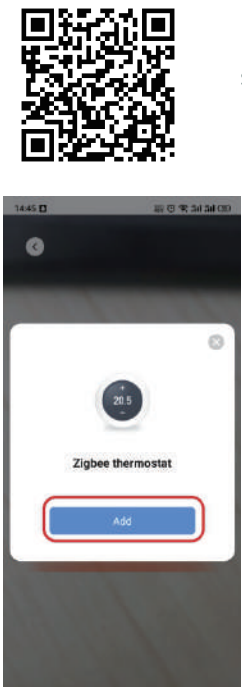


Fig3.3

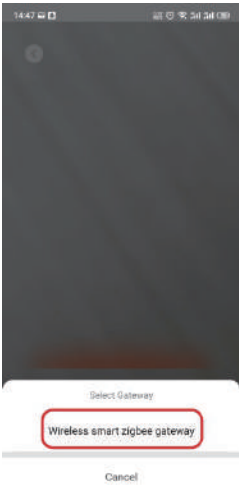


Fig3.4

Scan this QR code



Network distribution mode:

1. Zigbee quick connect

When the thermostat is off, press and hold the "down button" until the thermostat screen flashes quickly and displays the "zigbee" icon, and then operate according to the following figure (Fig3.7-Fig3.8).



Fig3.7

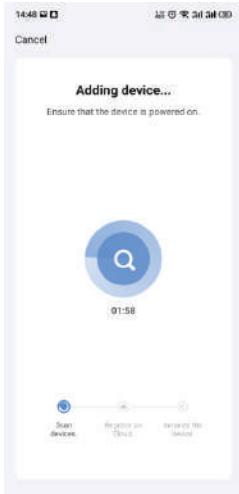


Fig3.8

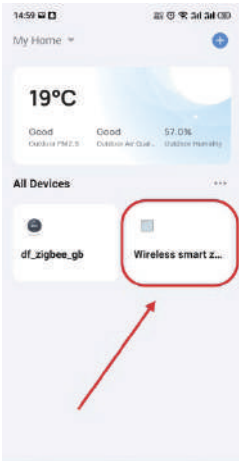


Fig3.10

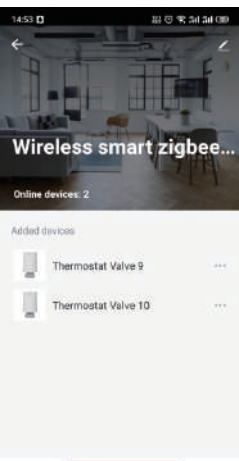


Fig3.11

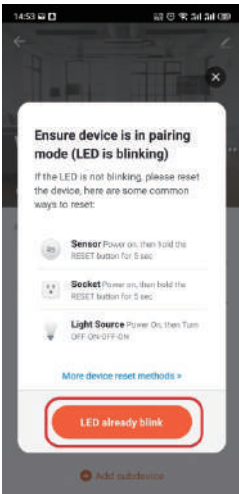


Fig3.12



Fig3.13

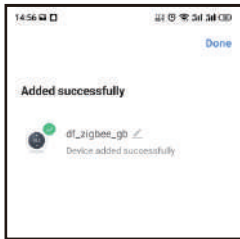


Fig3.9

2. Zigbee gateway connection

With the thermostat turned off, press and hold the "down button" until the thermostat screen flashes quickly and displays the "zigbee" icon, and then operate according to the following figure (Fig3.10-Fig3.13).

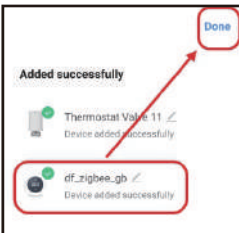
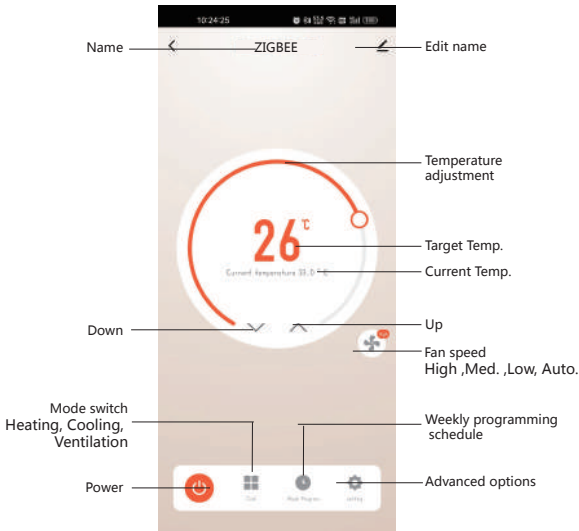


Fig3.14

APP operation interface description (FCU thermostat thermostat)



Simplement 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

24-months warranty since date of purchase
Service beyond the warranty period may need charge.
More details, please contact us.