

6602 fan intelligent thermostat user manual

I. Product Introduction

This series of thermostats supports fan coil two-pipe, four-pipe, and dual-supply systems, used for temperature control in water or air systems. By selecting the required mode via touch buttons, users can set the desired temperature and wind speed. The comparison between ambient temperature and set temperature controls the operating status of the fan coil units, electric valves, electric ball valves, or electric dampers at the terminal ends, aiming to achieve both comfort and energy savings.

2. Product parameters

Input voltage: AC100~260V,50/60Hz

Self-consumption power: <2W

Temperature sensing element: NTC thermistor

Temperature control accuracy: $\pm 1^{\circ}\text{C}$

Temperature setting: $05\sim 35^{\circ}\text{C}$

Working environment: $0\sim 45^{\circ}\text{C}$

Shell material: PC+ABS flame retardant

Terminal: A wire that can be connected to $2*1.5\text{mm}^2$ or $1*2.5\text{mm}^2$

Load current: 2A (resistive load), 1A (inductive load)

Display type: LCD screen

Humid environment: 5~95%RH (no condensation)

Key form: capacitive touch button

Display range: $0\sim 99^{\circ}\text{C}$

Protection class: IP 30

Installation hole spacing: 60mm (standard)

Size: 86*86*12 mm (width * height * thickness)

3. Key functions and operations

Turn on and off: Press "" once to turn on, and press once to turn off.

Mode selection: In the on state, short press the "" key to switch modes. The display shows "" icon for cooling and "" icon for heating, the "" icon indicates ventilation.

Wind speed selection: press "" key to select the fan wind speed: low speed, medium speed, high speed, AUTO automatic. Under automatic wind speed, Activates when the temperature difference between the room and the set temperature exceeds 3°C ., it is high speed; if the difference is 2°C , it is medium speed; if the difference is 1°C , it is low speed. **(Not applicable to Ventilation Mode)**

Temperature setting: press "" to reduce the set temperature and press "" to increase the set temperature under the on state. The temperature change range is $05^{\circ}\text{C}\sim 35^{\circ}\text{C}$.

Child lock function: When the device is on, long press the "" key and "" key for 5 seconds to open the child lock function. At this time, the LCD screen displays the "" key icon, and then at the same time, hold down the "" key and "" key for 5 seconds to turn off the child lock function.

Time adjustment: Long press the "" key for 5 seconds in the on state to enter the time adjustment interface. (Note: WiFi model will automatically obtain the Internet time)

Sleep mode: Long press the "" key for 3 seconds in the on state to enter the sleep mode interface. The sleep "" icon will flash and press the "" key to confirm opening.

When the sleep mode is turned on, the air conditioner is in cooling mode. After running for 1 hour, the set temperature will automatically increase by 1°C , and after running for another 1 hour, it will increase by 1°C . After the total running time reaches 8 hours, it exits the sleep mode and increases by 2°C within 8 hours; if the air conditioner is in heating mode, it runs for 1 hour in sleep mode. After that, the set temperature is reduced by 2°C , and then it runs for another hour and then reduced by 3°C . When the total running time reaches 8 hours, the sleep mode is exited, and the total running time is reduced by 5°C .

Timer Function Settings: In the on state, long press the "" key for 3 seconds to display the sleep "" icon flashing. Then press the "" key to switch to the timer settings interface, where the timer on icon and the timer minute will flash. The temperature position P1 indicates the first timing period. Press the "" key again to switch options. Setting order: Timer on minutes, Timer on hours, Timer off minutes, Timer off hours. Set the timer on time and timer off time. Shortly press the "" key to display the timer icon flashing. Press the "" key to confirm activation, and press the "" key to turn off. P2 for the second period, P3 for the third period, setting methods are the same as P1 for the first period. (There are 3 periods in total, each can be set independently, but

no two periods can have the same time. The order of the periods does not matter; whichever period arrives first runs first.) The timer function is real-time timing; once activated, it will run continuously until the set time, at which point it will automatically turn on or off.

Sensor fault alarm: When the sensor is faulty, the E1 code alarm is displayed and all outputs are turned off until the fault is removed.

Restore factory Settings: In the on state, press "⏻" and "△" keys for 5 seconds at the same time. After two seconds of full screen display, shut down to indicate that factory Settings are successfully restored.

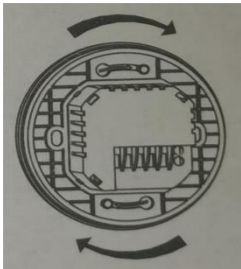
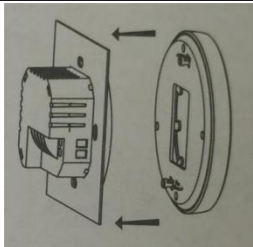
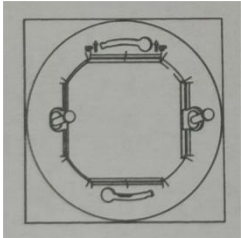
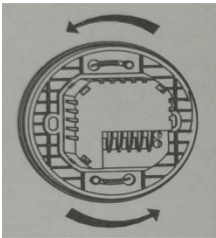
4. Advanced options Settings

In the shutdown state, press "M" and "F" at the same time for 5 seconds to enter the advanced option setting. The number 01 is displayed below the display screen, and the temperature position-2 flashes to indicate the parameter. Short press "M" to cycle the option content, press "△" or "▽" to adjust, and press "⏻" to automatically save the setting.

Display symbols	Options	default	Adjust with the "△" key or "▽" key
01	temperature compensation	-2	-9°C ~ +9°C
02	Start the temperature difference	1	1°C ~ 5°C
03	Low temperature protection setting	OFF	0n: On OFF: Off (the output is turned on when the indoor temperature is lower than 5 degrees and turned off when the indoor temperature is higher than 7 degrees.)
04	Power off and restart	02	00: Power on and then shut down 01: Power on 02: power-on memory
05	Temperature lower limit value	05	00°C~34°C, (for example: the default is 05°C, and the minimum temperature can only be adjusted to 05°C)
06	Upper limit of temperature	35	05°C~99°C (for example, the default is 45°C, and the maximum temperature can only be adjusted to 45°C)
07	Fan controlled selection	01	00: The fan is not controlled 01: The fan is controlled
08	Backlight mode	02	00: The backlight automatically turns off 01: The backlight is always on 02: The backlight is automatically half bright
09	System type selection	01	01: 2 pipe air conditioning controls 02: air conditioning + floor heating 03: air conditioning + floor cooling 04: 4 pipe air conditioning 05: Water floor heating 06: Fresh air
10	Software version number	**	It can only be viewed, but not adjusted

5. Precautions for installation and use

1. The front end of the thermostat system should be equipped with a power control switch or a separate power socket, and the power should be cut off when the controller system is not needed to work.
2. Cut off the power supply during installation, configure the power switch, and cut off the power supply when not working.
3. The installation position should be about 1.4m away from the ground to avoid direct sunlight, shelter from wind and heat source.
4. Connect the circuit according to the wiring diagram of the base shell. If the controller used does not match the installation diagram, please contact the dealer or factory.
5. Load should be equipped according to the indicated current, and overloading is prohibited.

 1. Secure the power base and rotate the panel in this direction.	 2. Remove the panel and pull out the cable.
 3. Wire according to the base wiring diagram, and then fix the power base to the 86 box.	 4. Align the top and bottom columns of the panel with the base's mounting holes and rotate them in this direction until they are stuck.

Note: When wiring, the wire printing of the bottom shell is taken as the standard



AC:210V-230V

Load current:<3A

CE

IP20



Cold NC ⊗
NO ⊗



N Lo Me Hi L
⊗ ⊗ ⊗ ⊗ ⊗

Warning: The wiring must be correctly connected according to the wiring diagram of the bottom shell. Incorrect wiring will damage the thermostat. Do not allow water, mud and other impurities to enter the thermostat, otherwise the device will be damaged!

Warranty (after sale) service:

The warranty period of this product is two years, counting from the date of sale. All products of our company can enjoy lifelong after-sales service according to the regulations. However, if the after-sales service is caused by the warranty period or non-quality problems, our company will charge certain fees according to the situation.

The product function and appearance may be slightly different from the instruction manual, please refer to the actual product.