

Digital thermostat instruction

【Product Overview】

LCD digital thermostats, applying the most advanced and international standardized microcomputer control chip, measures the indoor temperature by the in-built NTC high-precision sensor. It can always compare with the setting temperature, and automatically regulate the heating/cooling air input or switch on/off the motorized valve, so as to keep room in a certain temperature.

【Technical Data】

Working voltage: AC24V \pm 10%, 50/60Hz

Power self-consumption: <1.5W

Timing error: <1%

Temperature setup range: 5°C - 35°C

Load current: <1A

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

Output rated power: <5A

Dimension: 86mm* 86mm*13mm (height*width*thickness)

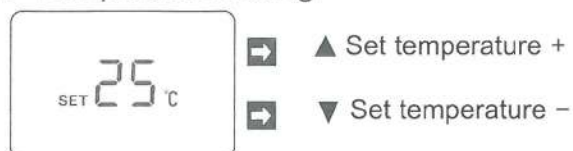


【Buttons】

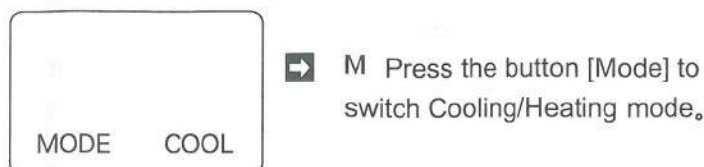
- Power on/off;
- Fan speed adjustment
- Increase the TEMP or adjust the value of working mode
- Decrease the TEMP or adjust the value of working mode
- Mode

【Operating Process of Tools】

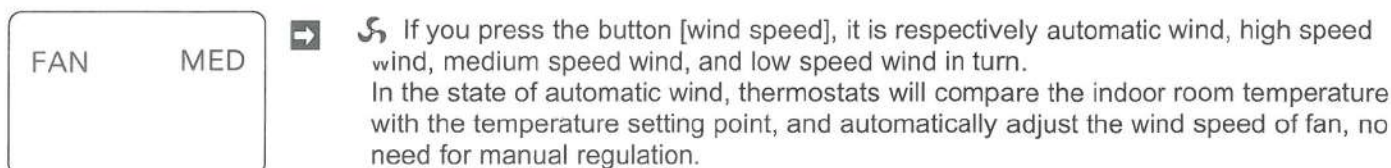
1. Temperature setting



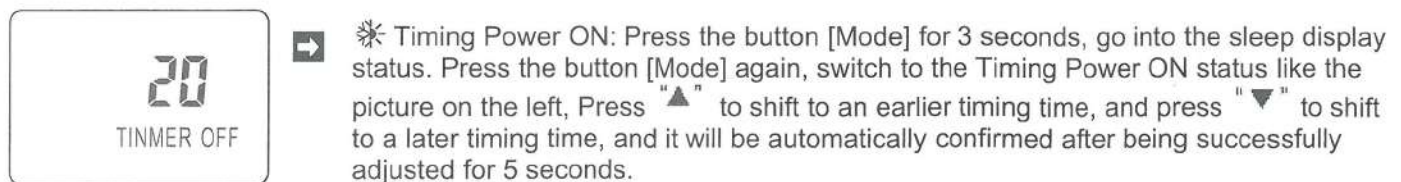
2. Cooling/Heating Setup



3. Fan Speed Setup



4. Timing power ON/OFF Setup



Timing Power OFF: Press the button [Mode] for 3 seconds, go into the sleep display status. Press the button [Mode] again, switch to the Timing Power OFF status like the picture on the left. Press "▲" shift to an earlier timing time, and press "▼" to shift to a later timing time, and it will be automatically confirmed after being successfully adjusted for 5 seconds

【Parameter Setup】

Button Lock mode: Turn on the controller, then keep press buttons both "▲" and "▼" until it displays the icon the screen.

Temperature limited mode: Turn on the controller, then keep pressing buttons both M and "▲" until it displays the icon "h".

Anti-freeze function: Turn off the controller, then keep pressing buttons both M and for 3 seconds until it displays the icon "ON". Then press them again, it will turn on the function. The default valve is ON.

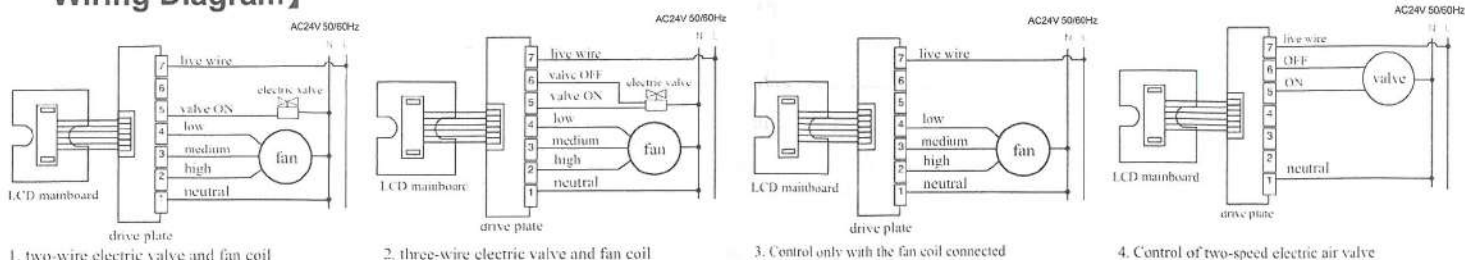
Turn off the controller, then keep press the button for 3 seconds and go into the parameter setup. Then shortly press button to switch the menu. Press "▲" and "▼" to adjust to the correct value. It will be confirmed automatically after 5 seconds.

1. Sensor Calibration : in the first menu, press "▲" and "▼" to adjust to the correct value.

The temperature compensation range is -9°C- 9°C. (The default value is -1 °C)

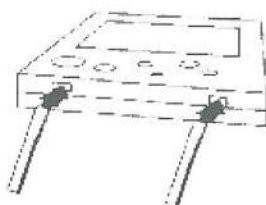
2. Cool limiting temperature parameter setup : in the second menu, press “▲” and “▼” to adjust the required value for cooling mode. It will be confirmed automatically after 5 seconds. (The default value is 25 °C)
3. Heat limiting temperature parameter setup fan working mode : in the third menu, press “▲” and “▼” to adjust the required value for heating mode. It will be confirmed automatically after 5 seconds. (The default value is 20 °C)
4. Fan working mode : in the fourth menu, press “▲” and “▼” to choose “00” (fan and valve stops working at the same time.) and “01” (valve closes but fan still go on working.) The default valve is “00”.
5. Power off memory function. In the fifth menu, press “▲” and “▼” to open the function. “On” means open, “OF” means close the function. The default value is “OF”.

Wiring Diagram】

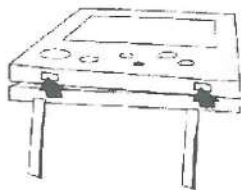


【Installation Instructions】

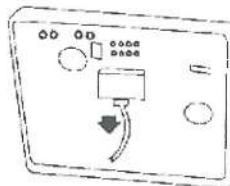
Please follow the instructions to make the correct installation.



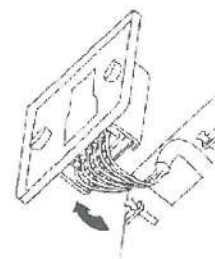
Step 1: Open the control board: use a 3.5mm wide screwdriver along the bevel into the slot for 4 mm.



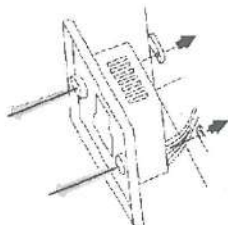
Step 2: Slightly upward prize it to open hook.



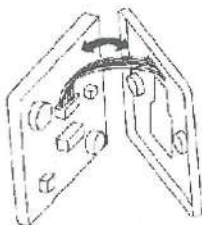
Step 3: Remove the Cable.



Step 4: Connect wire.



Step 5: Fix it with two screws in the packaging box.



Step 6: Install the control board wire.



Step 7: Hang the two pothooks in 30-degree angle, must hang them in place.



Step 8: Slightly press the underside corners, block the shell and accomplish the installation.

【Cautions】

- Please connect wires in strict compliance with the installation wiring diagram;
- Please install a thermostat correctly in strict compliance with the installation diagram
- Do not pull the cable forcibly, or it may be damaged;
- Do not squeeze the LCD or scratch the LCD surface during the installation;
- During the installation, do not knock those electronic components on the circuit board, and do not drop or deform the back cover
- If hard plastic lines are used during the installation, do bend it into a appropriate angle firstly
- Do not drop it into construction mud

【Warranty Service & Sale Support】

The warranty service is 18 months from date of purchase. The products of our company may enjoy life-long in accordance with the regulations. Our company will make a certain charge to the service out of the warranty period or product quality.