

Operation Manual

LCD Display Description







1. Basic description







1. 1. Power supply specification: AC230V~ / 50Hz
1. 2. Temperature setting range: 7~30°C
1. 3. Time mode: 24-hour system
1. 4. Weekly mode: numbers display 1~7
1. 5. Timing mode: multiple segment setting, increase or reduce on a 1-hour basis
1. 6. System modes: comfort mode, economy mode, antifreeze mode, timing mode

2. Panel display figure




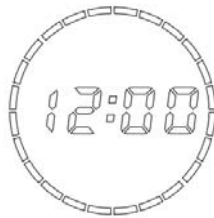
3. Icon display description

3. 1.  Comfort mode: The temperature can be set separately, with an adjustable range of 7°C to 30°C.
3. 2.  Economy mode: The temperature can be set separately, fixed at 7-30°C, but the max. temperature shall not exceed the comfort temperature.
3. 3.  Antifreeze mode: The temperature is fixed at 7°C.
3. 4.  Timing mode with timing function.
3. 5. **88:88** Time and temperature display.
3. 6.  Open window detection.
3. 7.  Indicate the heating state.






3. 8.  Child lock function: unable to operate any keys (except on/off switch).
3. 9.  Timeline: time adjustment with adjustment range of 0~23H.
3. 10.     Key description: on/off switch key, function key, up key, down key.

4. Mode operation description:


4. 1.  ON/OFF: short press from the shutdown state to the boot state, (in the shutdown state, short press any other button products will not respond), shutdown display






time, as shown in the figure.

4. 2.  Comfort mode: The default temperature of comfort mode is 19°C, short press  up or  down arrow to adjust the temperature range of 7~30°C. Each short press stands for 0.5°C. Long press  or  for 1s can accelerate the increase or reduction, as shown in the figure.



Short press  in comfort mode will switch to economy mode.


4. 3.  Economy mode: Short press  or  can enter the economy temperature setting with temperature range of 7~30°C. Each short press stands for 0.5°C. The max.

Temperature shall not exceed the comfort temperature. Long press  or  for 1s can




accelerate the increase or reduction, as shown in the figure.

In economy mode, a short press  will switch to antifreeze mode;

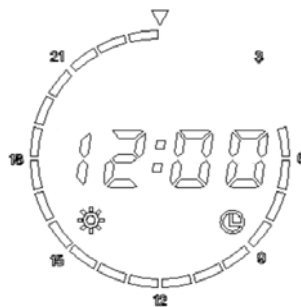
4. 4.  Antifreeze mode: The temperature is fixed at 7°C, as shown in the figure.






In antifreeze mode, a short press  will switch to timing mode.



4. 5.  Timing mode: Timing mode can be set for time, week and weekly procedure.

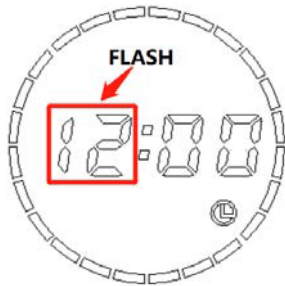
When use of the device for the first time (or after power off and restart), please set the time








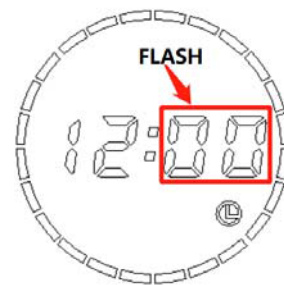
and week first, as shown in the figure..

4. 5. 1. Time setting: long press  for 3s to enter the time setting. Firstly, set the hour by short pressing  or  with adjustment range of 0~23H. Each short press stands


for 1H. Long press  or  1S can accelerate the increase or reduction, as shown in the figure. (No operation in 30S will exit the Hour setting and enter the Minute setting.)









4. 5. 2. After the hour setting, short press . Then the minute position "00" will flash (flash every 0.5S). Short press  or  to adjust the minute with adjustment range of 0~59min. Each short press stands for 1min. Long press  or  for 1s can

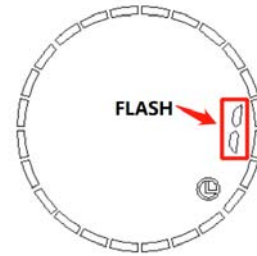


accelerate the increase or reduction, as shown in the figure.

4. 5. 3. After time setting, short press  to enter week setting. (No operation in 30S will exit Minute setting and enter week setting.)

4. 5. 4.   Week setting: After entering the week setting, the last number will be flashing (flash every 0.5s). Short press  or  to adjust the week with adjustment range of 1~7day. Each short press stands for 1day. Long press  or  for 1s can

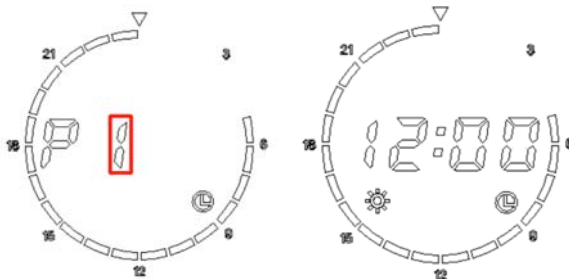
accelerate the increase or reduction, as shown in the figure. 1=Monday, 2=Tuesday,



3=Wednesday, 4=Thursday, 5=Friday 6=Saturday, 7=Sunday.




After setting the week, short press **M** to enter the weekly program setting. (No operation in 30s will exit Week setting and enter Weekly program setting.)







4. 5. 5. Weekly program setting: Short press **M** to view the setting of other days of the week. The timeline display (■) indicates that the current time is running comfort mode, and the timeline display (□) indicates that the current time is running economy mode. The figure below on the right shows the default Monday to Sunday settings: Monday to Sunday: comfort mode during 5:00-23:59. (Other time economy mode.)

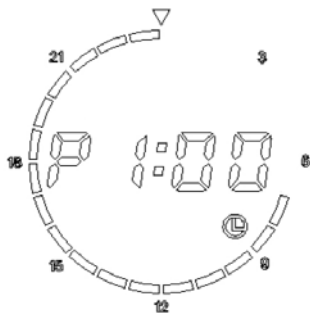



Short press **M** after setting up the Monday program to enter Tuesday program setting, and finally the last day Sunday.



Short press **M** after completing the weekly program setting to enter running state. (No operation in 30s will exit weekly program and enter running state.)

4. 5. 6. Weekly program modification: Under weekly program interface, press **M** for 3 seconds to enter the current weekly program modification. Short press  or  for weekly program adjustment. Short press  means to run the comfort mode for this time





period. The logo  will be light on for 1s first and light off for 1s. Short press  means to run economy mode for this time period. The logo  will be light off for 1s first and light on for 1s. Each short press stands for 1H, the corresponding time period flashes and increases to 23H. For example, if you want modify Monday program from 07:00 to 23:00 to comfort mode (other time economy mode), just press  for 3 seconds when display Monday program, press  from 07:00 to 23:00 and press  for other times, as shown in Fig.

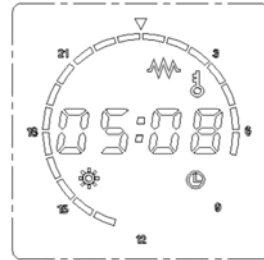


After the modification, press  to exit setting. (No operation in 30s will exit the current weekly program modification.)

4. 5. 7. Running status: In running state, the display will be as what you set previously. When the current time is in comfortable mode, the light  will be on for three seconds and off for one second. In economic mode, the light  will go off for three seconds and on for one second. If the product is heated, the heating icon lights up. For example: the current time is 05:08, then the screen will show: The icon indicated by the red arrow is on. The time period indicated by the green arrow is on for 3 seconds and off for 1 second.





4. 6. Child lock: press  and  for 3s at the same time will enter the child lock. No operation allowed under child lock mode (except on/off switch). Press  and  for 3s







at the same time again will unlock the child lock mode.

5. Internal parameter setting

In the OFF state, press  for 10s to enter the internal parameter setting and short press  to switch setting. The setting includes temperature compensation → open window detection → wifi switch → exit setting.



5. 1. Temperature compensation setting: temperature compensation default is -2°C . Short press  or  can adjust the compensated temperature with range from 5°C to -5°C . Each short press stands for 1°C .

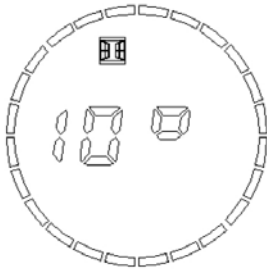
5. 2. Open window detection setting: short press  or  to set the window opening time with three time options: "0", "60", "90"; if the user set the time to 60, the screen will




show as the figure.

5. 2. 1. Open window detection description: In heating state, when the ambient temperature suddenly drops by 5°C within 5 minutes, the equipment enters open window



mode, showing as below figure. The device enters the fixed temperature of 10°C, and after the heating stops for 60 minutes, enter the normal mode. If the temperature drops again by 5°C within 5 minutes, then enter the fixed temperature of 10°C mode and stop heating for 60 minutes in this cycle. Setting '0' means that the function is not on.



6. Read ambient temperature: In off state, press  for three seconds can read the ambient



temperature, show as the figure.

7. Restore the factory setting: Under power on state, the system will automatically start and restore the factory setting after pressing  for 10s. The full screen will light on for 3s and enter the shutdown state. Press  to restart. The default set in factory setting-comfort mode temperature 19°C; economy mode temperature 15°C. ; time display "12:00", week display "1"; temperature compensation "-2"; open window time "0"; Wifi switch "On"; weekly program restores to default set.

Error code description

Description	Message
Temperature sensor open circuit	show Er
Temperature sensor short-circuit	show Er