

Heat pump controller

Simplified operation instruction

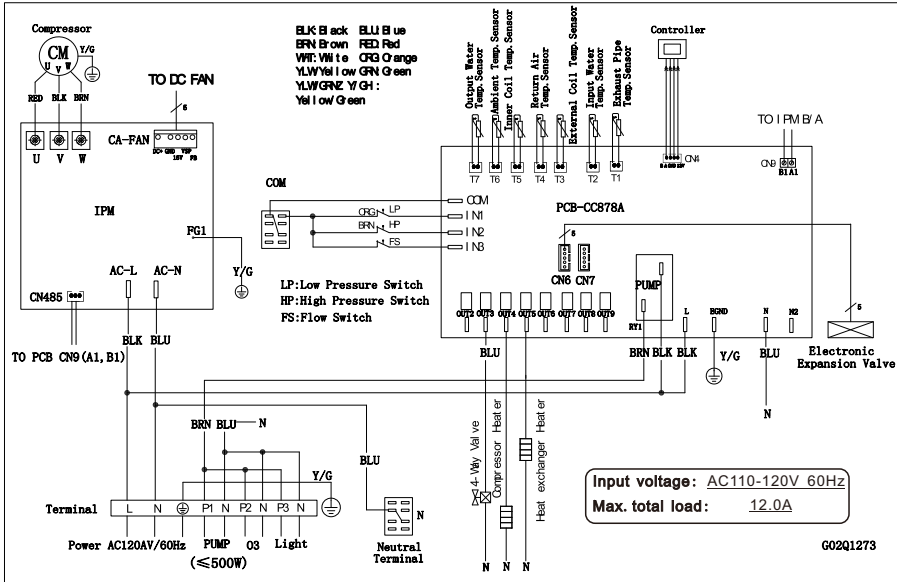
LS-40H/S3N2-BP



EN

I. Pre-use operations

1. Please connect power strictly according to the power data plate.



2. After connecting the load and checking it in detail, turn on the power and use it normally.

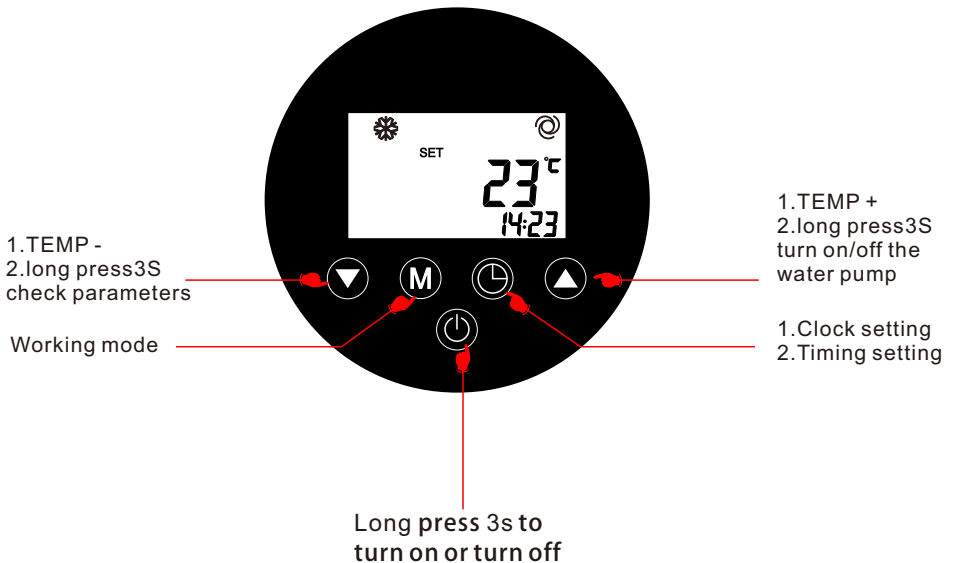












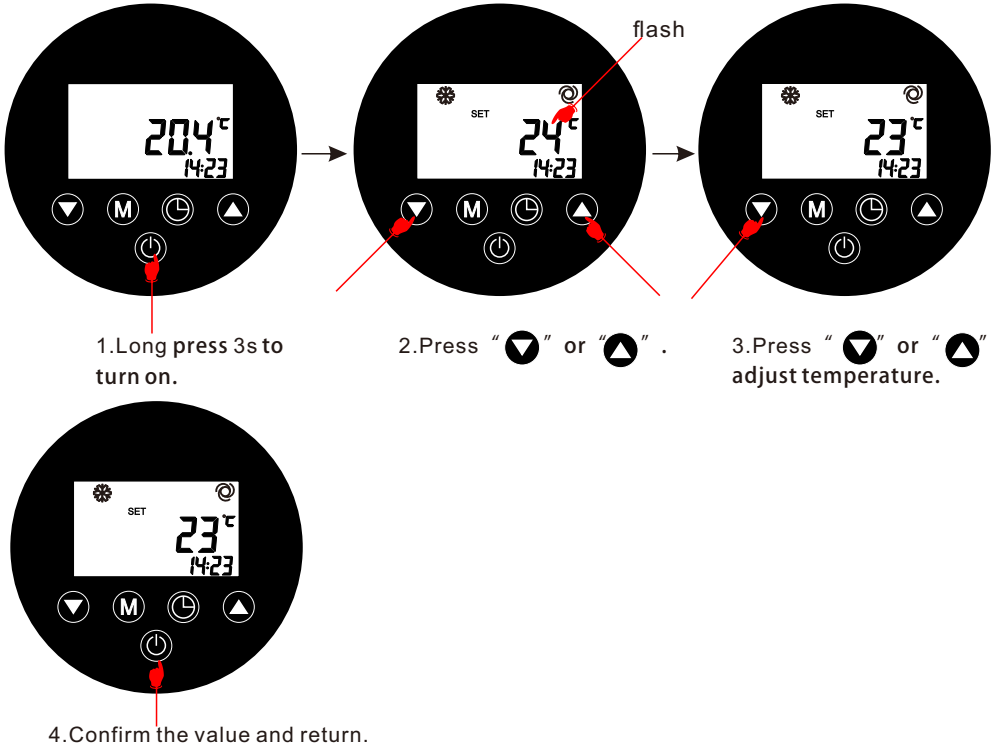
Illustration for the display



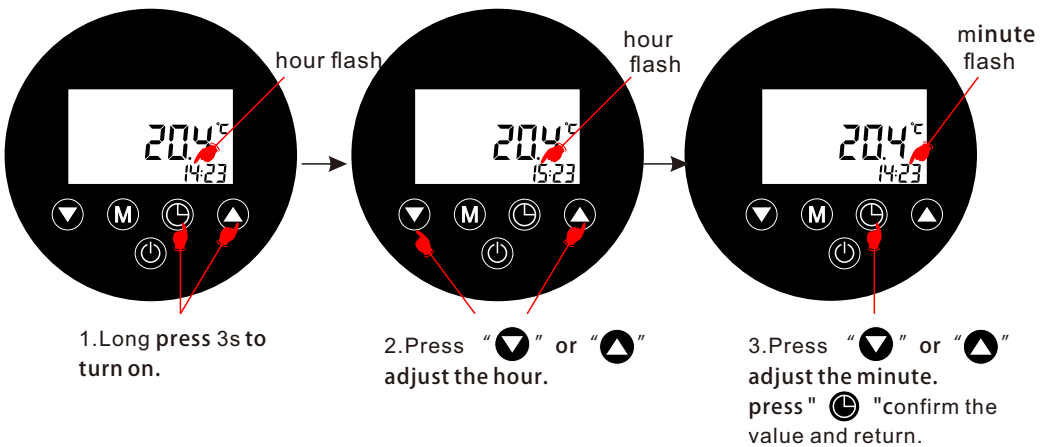
- (1)  Heating mode;
- (2)  Cooling mode;
- (3)  Silent mode;  intelligent mode;  Strong mode;
- (4)  Defrosting in progress;
- (5)  Wi-Fi Successfully connected and permanently lit, flashing when not connected or during connection;
- (6)  Lock screen;
- (7)  Blinking when reporting a fault;
- (8)  Water pump on;

II. Setting

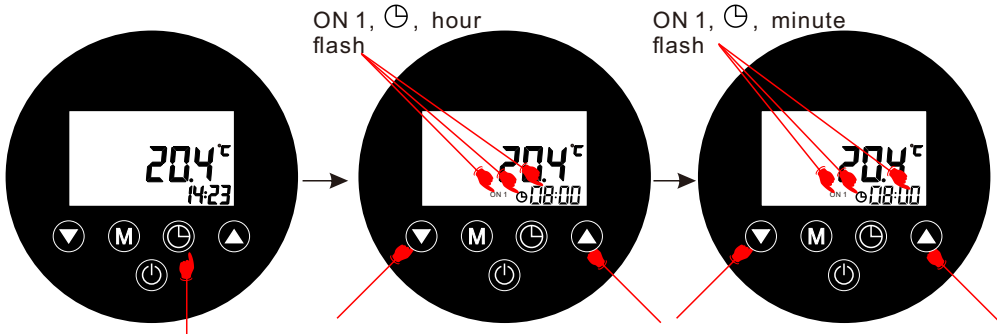
Temperature setting



Clock setting



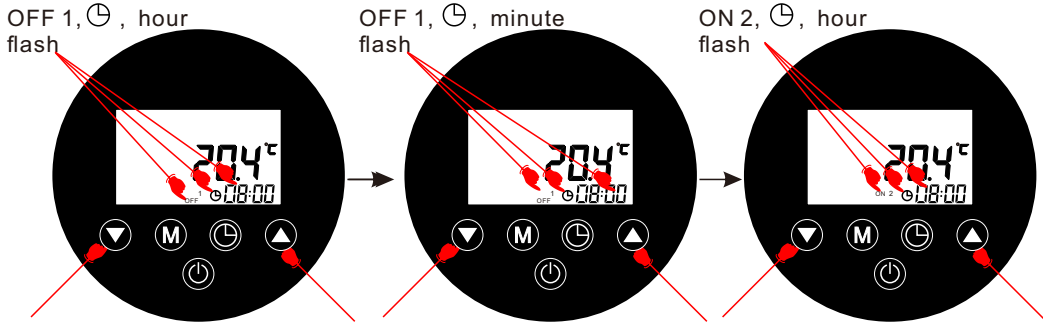
Timing setting



1. Long press 3s to enter the timing setting interface.

2. Press "▼" or "▲" adjust the hour.

3. Press "⌚" to the minute setting, Press "▼" or "▲" adjust the minute.



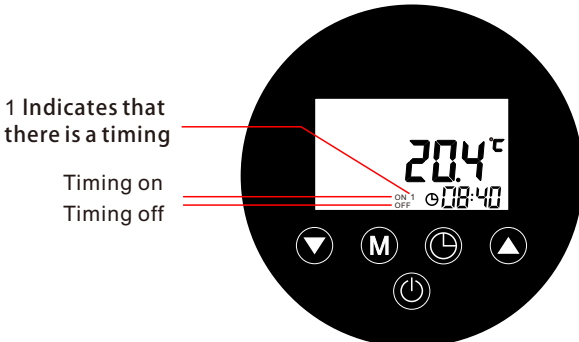
4. Press "⌚" to time off 1 setting, Press "▼" or "▲" adjust the hour.

5. Press "⌚" to the minute setting, Press "▼" or "▲" adjust the minute.

6. Press "⌚" to the time on 2 setting, Press "▼" or "▲" adjust the hour.

The timing of the second and third segments is also switched through the ⌚.

The ▼ and ▲ adjust the hours and minutes, and press ⏻ to exit.

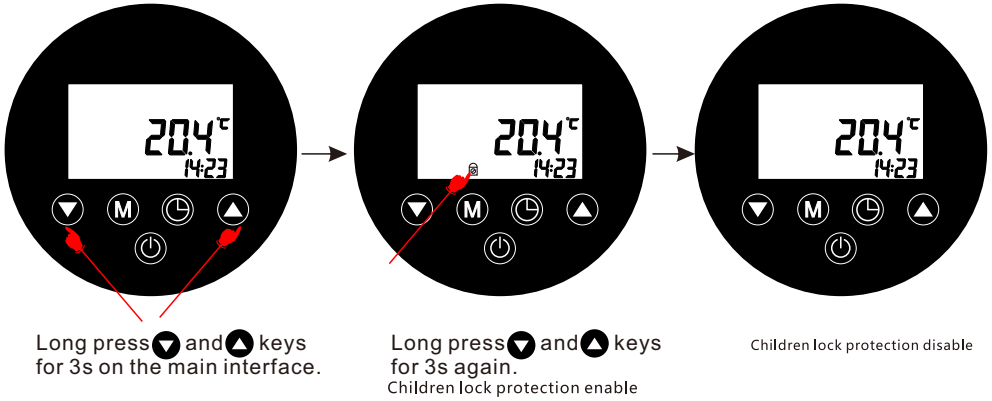


1 Indicates that there is a timing

Timing on
Timing off



Cancel timing setting:
When the set startup time and shutdown time are the same, the timing setting for the current time period is cancel.

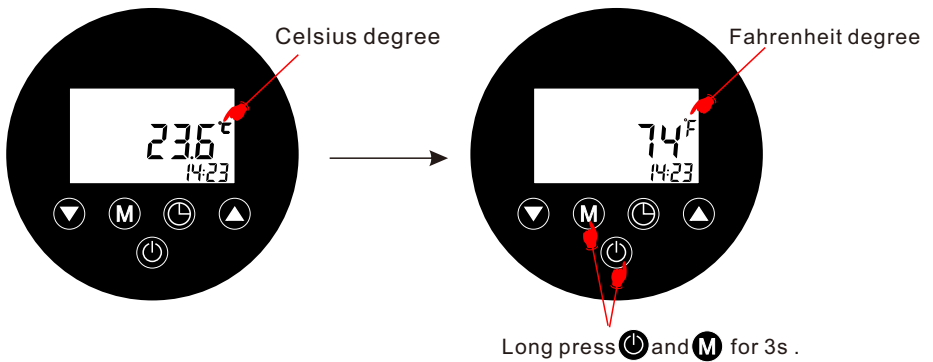
Children lock protection setting



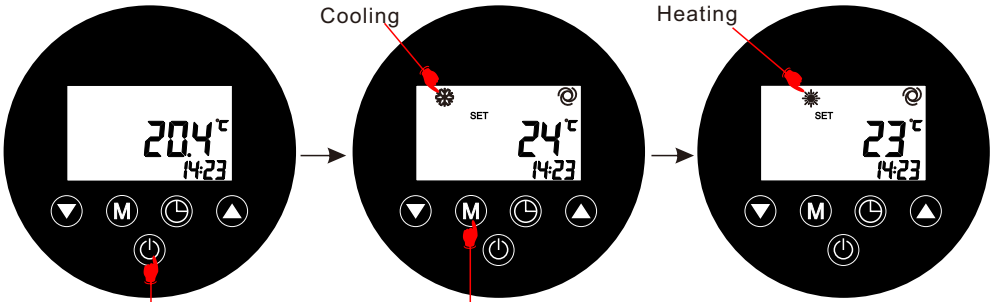
III Functions

Temperature unit

When the system is power on, long press “” and “” on the main interface for 3 seconds to switch the temperature unit (°C or °F), The system will automatically store the value after changing.



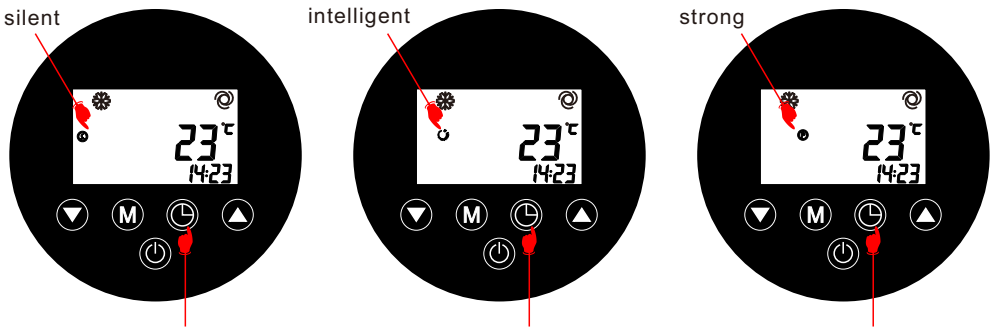
Working mode



1. Long press 3s to turn on.

2. Long press **M** 3s to switch between cooling and heating mode.

At the startup interface, press **⌚** to switch modes: silent, intelligent, and strong



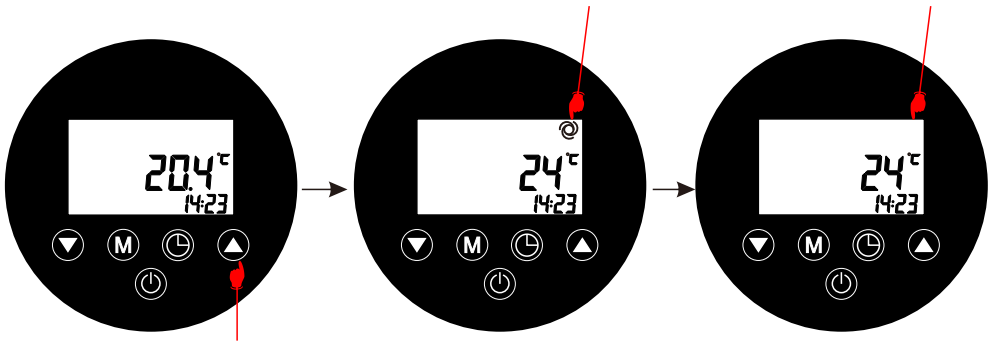
Freezing proof

When ambient temperature lower 5°C (41°F) and water temperature is lower than 3(37°F), heat will be started. When the ambient temperature rises to 8°C (46°F) water temperature reaches 5°C (41°F), heat will be turned off .

Cycle Pump

Press and hold " ▲ " for 3 seconds to manually turn on/off the water pump when shutting down, reaching the temperature set, or shutting down due to malfunction.

Cycle pump will turn off automatically after running for 30 minutes.



1. Long press 3s to turn on.pump
2. Long press 3s again to turn off.pump

Malfunction table

Code	Error
Er 03	Water flow failure
Er 04	Winter antifreeze
Er 05	High pressure failure
Er 06	Low pressure failure
Er 09	Main board - wire control communication failure
Er 10	Communication failure of frequency conversion module
Er 12	High exhaust protection
Er 15	Inlet water temperature fault
Er 16	Outer coil temperature fault
Er 18	Exhaust temperature fault
Er 19	DC fan fault
Er 20	Abnormal protection of frequency conversion module
Er 21	Environmental temperature fault
Er 23	Cooling water outlet temperature low protection
Er 27	Water outlet temperature fault
Er 28	CT over current protection
Er 29	Return air temperature fault
Er 32	Protection against excessive temperature of heating water outlet
Er 33	Outdoor coil high temperature protection
Er 42	Inner coil temperature fault
Er 44	Protection against low ambient temperature in cooling mode
Er 45	Protection against low ambient temperature in heating mode

