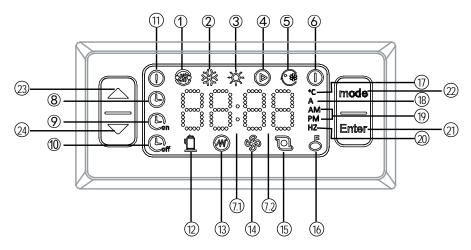
18. Controller

18.1 Standard controller

It is built-in with the chiller at the factory.

The front panel of the device functions as the user interface and is used to perform all operations relating to the device.



NO.	Icon	Description
1		Outside heat source running icon(Reserved)
2		Cooling mode icon This icon will be constantly light when customers choose cooling mode.
3	***	Heating mode icon This icon will be constantly light when customers choose heating mode.
4		Water pump mode icon This icon will be constantly light when customers choose water pump mode.
(5)	*	Force cooling icon This icon will be constantly light when customers choose force cooling mode.
6	0	Power off icon This icon will be constantly light when customers choose Power off mode.
7.1)	88:88	Clock icon, ": " flash once every 1s. It will display time when customers set the timer.
		The last 2 digits of the nixie tube " 88" icon. If " 88" is constantly light, it will display the current inlet
72		water temperature. Its'unit is °C .When customers do the water temperature setting, icon will display
		the setting water temperature. When checking, "BB" will display the result of checking. When water
	_	heating is broken down or in protection, "B" " display the error code and protection code. Clock icon
8	0	It will display when finish setting the clock and be extinguished when the clock setting work is done.
9	©on	Timing on function icon The icon will be constantly light when finish actions.
		will flash when setting timing on. The icon will be constantly light when finish setting. Timing off function icon
10	Con	will flash when setting timing off. The icon will be constantly light when finish setting.
11)	①	Breakdown light icon When the unit is broken down or under protection, this icon will flash and will be off when malfunction
		and protection are eliminated.
12		Compressor booting indicator icon When booting the compressor, this icon will be constantly light. It will be off when the compressor is
		shut down
(13)	®	E-heater booting indicator icon (Reserved)
		When booting the external E-heater, this icon will be constantly light. It will be off when the external E-heater is shut down.
(14)	S	Fan booting indicator icon When booting the fan, this icon will be constantly light. It will be off when the fan is shut down.
(15)	D	Water pump booting indicator icon When booting the water pump, this icon will be constantly light. It will be off when the water pump is shut down.

icon
g the keys, this icon will be constantly light. It will be off when unfreezing keys.
unit icon
ntrol panel displays temperature, this icon will be constantly light.
con
ntrol panel displays current, this icon will be constantly light.
con
l-hour format. "AM"will be constantly light when it is forenoon.
, •
constantly light when it is afternoon
nit icon
tantly light when the control panel displays frequency of the compressor.
OK button
" for 3S will power on or off the controller.
" to confirm the former operation when finishing the setting work.
function/Function choice/Back function button
e function. Choose operation mode.
oice. Long press it for 3s to enter function setting in the main interface.(Clock setting,
d timing off setting)
previous menu. Long press it for 3s to back to previous menu in the function setting
menu is the main interface.
ease)
the previous interface.
·
rease)
o the next interface.

18.1.1 Control panel operation description

1) ON/OFF

The first time to powered on the unit, operation panel displays "OFF". Long press "Enter" for 3s, to unlock "OFF" status and enter into standby status.

Power on: In the standby status, press "mode" to enter mode choice function. Press "mode" circularly to choose one kind of "power on" mode, the mode icon will flicker at the moment. Press "Enter" to confirm the power on mode. The unit will run as the chosen mode when the mode icon will be constantly light. Power off: Press "mode" in the main interface to enter mode choice function and the icon which indicate the current mode will flicker. Press "mode" circularly to choose power off mode,

"will flicker at this moment. Press "Enter" button to confirm the power off mode. By this time, "will be constantly light and the unit stops."

2) Mode choice and temperature settings

Press "mode" in the main interface to enter mode choice function. The "Mode" icon will flicker. Click "mode" circularly to choose a mode. The circulating order is "Cooling mode" \rightarrow "Heating mode" \rightarrow "Water pump mode" \rightarrow "Power off mode" \rightarrow "Cooling mode. The chosen mode will flicker. Press " \bigcirc " or " \bigcirc " to increase/decrease the temperature in the chosen mode.

Press "Enter" to confirm power off mode and the set temperature. Mode icon will be constantly light and the unit will run as the chosen mode. Press " or " in the main interface to increase/decrease the temperature in the chosen mode.

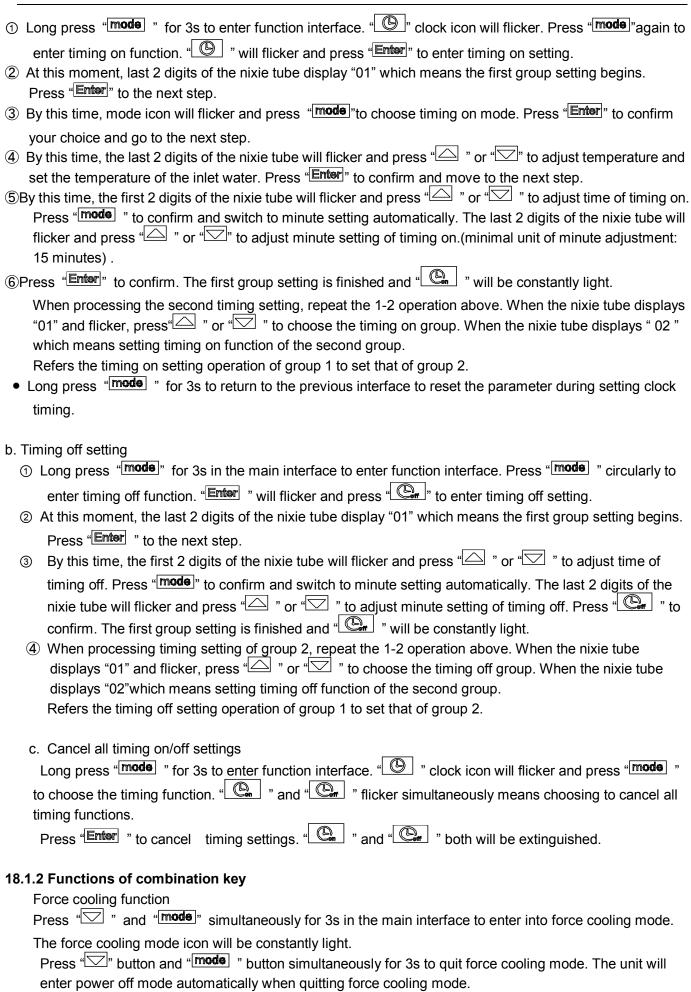
3) Clock setting

Long press "mode" " for 3s to enter function interface. "Colock icon will flicker. Press "Enter" " to enter clock setting function. "Colock icon will be constantly light and the first 2 digits on nixie tube will flicker. Press "Colock icon will flicker. Press "Interior " to set minute. Press "When finish setting and "Interior " will be extinguished."

4) Timing setting

a. Timing on setting

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18.1.3 Auto-lock(unlock) function

If don't operate the controller in 60s, the keyboard will lock automatically. Press "mode" and "Enter" simultaneously for 3s to unlock.

18.1.4 Factory Reset

In main interface, long press "Enter" for 3s, the unit will close and recovers to factory default mode. Display panel will display "OFF".

18.2 Wired controller Features

- a. Touch key operation;
- b. LCD displays operation parameters;
- c. Multiple timer;
- d. Real-time clock (battery life:5~8 years).

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