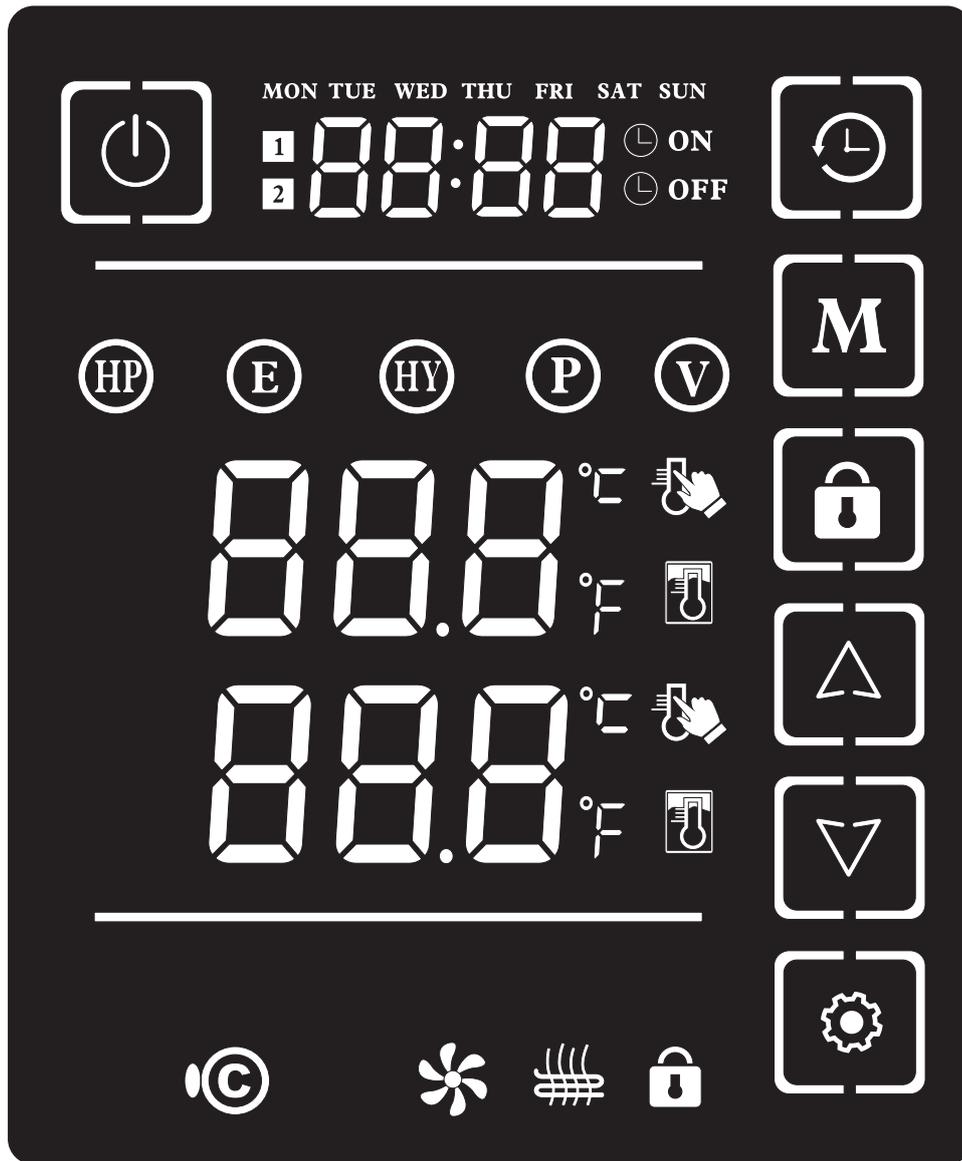


11.Wired Controller Operation



	SET TEMPERATURE DISPLAY		OUTDOOR FAN OPEN STATE
	ELECTRIC HEATING OPEN STATE		COMPRESSOR OPEN STATE
	TEMPERATURE / PARAMETER DISPLAY)		ON-SCREEN STATUS
	TIME		TIMER SWITCH STATUS



SINGLE COMPRESSOR
OPERATING MODE



POWERFUL OPERATING MODES



SINGLE ELECTRIC HEATING
MODE



AWAY FROM HOME OPERATING
MODES



HYBRID OPERATING MODE

二、Wire Control Key Definition And Operation

1、ON/OFF KEY

- (1) Press the button can switch on/off;
- (2) In the other settings interface, press this button to return to the main interface;
- (3) In the setting interface of system parameter P01 , Press and hold this button for 5S can inquire the temperature numerical, the electronic expansion valve aperture and the compressor operating frequency;

2、MODE KEY

- (1) Press this key can switch to single compressor mode, Single electric heating mode, Hybrid mode, Powerful mode, Nobody mode, every mode have a icon to Correspond.



It expresses single compressor work mode corresponding to light the icon. At this mode, the unit absorb the energy from the air to heat the water in the water tank. This is the most energy-saving way .



It expresses single electric heater work mode corresponding to light the icon. The electric heater start to heat the water in the water tank. So the power consumption of the heater at this mode is higher than the single compressor work mode .



It expresses machine hybrid work mode corresponding to light the icon. at the mode, the unit executes the mix used of compressor and the electric heater which means the intelligent identification. make the compressor work at an energy-saving way and intelligently identify some times, if the hot water can't reach the setting temperature, the unit start to make the compressor and the electric heater work together.

G i b D i a d

P It expresses the strong working mode corresponding to light the icon. In this mode, the machine immediately executes to start the compressor and electric heater .

In this mode, the machine can heat the water in the water tank to the user setting temperature in the shortest time .

V It expresses leaving work mode corresponding to light the icon. At this mode, it's suitable for people who leave house for long time. like doing business outside or taking a trip . when the temperature is low, at zero temperature , the unit work intelligently to protect the water tank in case of hurting by low temperature.

3、LOCK KEY

(1) **Lock**: Click the key to lock the remote controller (for protect the kids) . At the lock state, clicking other keys is invalid . clicks " " the icon means lock.

(2) **Unlock**: In the locked state, press the key once can be changed from the lock to the unlock , then pressing the other button is valid.

4、SET THE TIME AND TIMER BUTTON (CLOCK BUTTON)

(1) About the setting method of week and time: In main interface, press time button " " once or twice, when it shows " **MON TUE WED THU FRI SAT SUN** " week column is flashing, it means that is in the week setting position, press " " or " " button, choose the day you want to set up , and then press time button " " once , means that you have already confirmed your day, meanwhile, get into the "Hour" setting, it will shows " " the time column's "hour" show flashing, press " " or " " button, choose the "hour" you want, Press " " once, means that you have already confirmed your "hour", and then it get into the "minute" setting position, you will see " " the times column "minute" show flashing, press " " or " " button, choose the " minute " you want, and then press " " time button for once, means that you have already confirmed you "minute". At this step you have finish your week and time setting and quit the setting interface.

(2) About method of time switch on/off:

① **Both Time switch on/off function** , are get to the setting time to repeat setting., for example, set to switch on at this Monday 8.a.m., the machine will also switch on at next Monday 8a.m .the same to the switch off operation.

Gi bDi a d`

② **About the first setting meathod of time switch on/off:** When the remote control board at sleeping position,short press once " " time button,make time setting interface activate, press and hold " " time button at least 5 sec, when shows " ",it means that it Successfully entry time switch on setting operation,press " " or " " button,choise the "hour" you want,press " "time button for once,means that you have already confirm the"hour" digit,meanwhile get into the "minute" digit setting position,you will see " " time column's "minute" digit shows flashing,press " " or " " button,choise the "minute" digit you want.And then press " "once,into the time switch off operation,you will see " " flashing,press " " or " " button,choise the "hour" digit you want,and press " "time button for once,it means that you have already confirmed the "hour" digit,and into the "minute" digit setting position,you will see " " time column's "minute" digit flashing,press " " " "button,choise the " minute "digit you want.After finishing the first group time setting,press "switch on/off button " " confirm and back to the main interface.

③ **About the second setting meathod of time switch on/off:**After finishing the time of first group,do not press " switch on/off button " ",But press "time button " " for once, it will into the second group's time setting,you will see " ",use the same operation of "About the method of time switch on/off",can set the second grop of time.

(3) About the meathod of cancel the time switch on/ off:

- ① Set the first group of time switch on and switch off the same. press"switch on/off button " " to confirm, can cancel the first group of time setting. For example ,set the first of group of swtich on time to 8:00, set the first of group of swtich off time to 8:00 .
- ② Set the second group of time switch on and switch off the same, press"swtich on/off " " to confirm, can cancel the setting. For example ,set the second of group of swtich on time to 18:00, set the second group of swtich off time to 18:00 .

(4) In the time setting interface, if no operation within 60sec, it will quit the setting interface itself and back to the main setting interface.

(5) Icon Meaning Description

 Represents the timing segment,the icon will light up relatively;

 Time switch on / off tips, the icon will light up relatively;

G i b D i a d`

MON TUE WED THU FRI SAT SUN It means weeks;

88:88 It means time

5、" "AND"  " UP AND DOWN KEY

(1) Click "▲" "▼" help you check the parameter and modify it;

(2) on the main interface,click "▲" and "▼" to set the temperature in the current mode;

6、" " SET KEY

(1) Attention!The setting key is for setting the important parameter which is often used by after-sale staff.Home users be careful to use or the unit will be at the risk of destroying.

(2) Short press this key,enter the system parameter settings,press "▲" and"▼" to query parameters, then press the setting key to select parameter values,modify the parameter values in conjunction with "▲" and"▼" ,and then press the setting key to confirm,press the on/off key to return to the main interface;continuous 60s without any operation under parameter setting interface,it exit automatically and return to the main interface.

(3) Query and set the system paramenters(can be set at on and off);

(4) Long press this key 5S to enter into Fahrenheit Conversion;

7、 OTHER ICON EXPRESSION

 Compressor, the icon is lighted up after starting the compressor;

 Outdoor fan, the icon is lighted up after starting the cooling fan;

 Electric heating, the icon is lighter up after starting the electric heating;

8、 RECYCLE REFRIGERANT USERS NEED CAREFUL OPERATION

Recycle refrigerant: Choose the single heat pump working mode and in the off state,long press the mode button 10 seconds to the state of recycling refrigerant. Compressor icon flashes every one second." " Fan icon keeps lighting.After the refrigerant finish to recovery,turn off the "on/off  " button to close the refrigerant function.

9、PARAMETER QUERY STATUS

(1) First enter the parameter setting interface.

(2) Press the “

CODE	NAME	TEMPERATURE VALUES	REMARK
A1	Tank Temperature	Measured value	
A2	Condenser Temperature	Measured value	
A3	Discharge Temperature	Measured value	
A4	Suction Temperature	Measured value	
A5	Ambient Temperature	Measured value	
A6	The opening of EEV	Measured value	
A7	Compressor Operating Frequency	Measured value	
A8			

10、SETTING PARAMETERS

CODE	SETTING MODE	SETTING DATA RANGE
P01	Water tank temperature setpoint	68°F ~ 140°F , Default: 131°F
P02	Water Temperature Difference For Compressor Start Between Water Tank Temp.&chilled/hot Water Temp.	37°F ~ 59°F , Default: 41°F
P03	ON/OFF Mode Or Conatant Water Temperature (CWT) Mode	0: ON/OFF; 1: CWT; Default: 0
P04	Outdoor Environment Temperature Off And On Condition	35°F ~ -22°F , Default: -22°F
P05	Electric Heating Forced Start Temperature	50°F ~ 5°F , Default: 5°F
P06	Defrosting Mode Selection	0: auto mode; 1: manual setting mode
P07	Defrost Into The Temperature Setting	32°F ~ 5°F , Default: 25°F
P08	Defrosting cycle interval time (only for manual mode)	25 ~ 70 min, Default: 40 min
P09	Defrosting time (only for manual mode)	2 ~ 20 min, Default: 8 min
P10	Defrosting quit by fan coil temperature (both for auto mode and manual mode)	47°F ~ 68°F , Default: 53°F

ERROR CODE AND TROUBLE SHOOTING

ERRO CODE	ERROR CODE INDICATION
E01	EEPROM error indication(conversion board)/EEPROM(remote control) error indication
E02	Tank Temperature Sensor Fault
E05	Outdoor Condenser Temperature Sensor Fault
E06	Outdoor Ambient Temperature Sensor Fault
E07	Outdoor Discharge Temperature Sensor Fault
E08	Remote Control-conversion Board Communication Failure
E09	Communication Failure Between Switching Board And Outdoor Main Control Board Or Communication Failure Between The Main Control Board And The Drive Board
E10	Start Failure
E11	Outdoor Unit Current Protection
E12	Module Board Fault
E13	Voltage Too High/too Low Protection
E14	Water Flow Protection
E15	System Low Pressure Protection;high System Pressure Protection
E19	Suction Temperature Sensor Fault
E25	Anti-freeze Protection
E30	Ambient Temperature Too Low Protection