

Instructions for Use of 12V - 24V General LCD Panel

1. Button function



Setting -> Enter the setting state, adjust setting parameters, and change the working status of the machine

Confirm -> OK -> Under the setting state, confirm the current setting value and enter the next parameter setting. View the machine state in the non-setting state.

▲-> In the setting state, increase the setting parameter, and in the non-setting state, increase the set working temperature.


On/Off -> Short press the button to turn on, and the status indicator light will always be on. Long press the button to turn off for 2 seconds, and the status indicator light will flash.


▼-> In the setting state, decrease the setting parameter, and in the non-setting state, decrease the set working temperature.


2. Description of remote control code matching


In non-setting state, press the up-regulation button first and press confirm button at the same time for more than 3 seconds. Entering the remote control code matching interface, it displays HFA-. Press the open button on the remote control to transmit the remote control code, exit the code interface after code matching, and the machine enters the start-up state. If the code matching fails, the machine will not enter the start-up state. It will exit the code matching state after overtime code matching work.

3. Description of setting parameters (press the setting button to enter and the status icon corresponding to the display screen lit)

1 Time setting  → Up-regulation button and down-regulation button of adjusting parameters → Press confirm button to set the hours (24-hour system) and minutes in turn, and press confirm button to enter the next item.


2 Timing switch setting  → It is closed by default, showing no 1-oF. Press the up-regulation button to start, showing no 1-on to enter → Press confirm button to set the start-up and shutdown time of the first group and the start-up and shutdown time of the second group in turn. After the adjustment, press confirm button to enter the next item.

Inputting of administrative password  → Press up-regulation button and down-regulation button. When the correct value appears, press confirm button to enter the next digit. After the 4-digit input is correct, press confirm button to enter the next item.


3 Setting of pump oil amount  → Press up-regulation button and down-regulation button to modify the minimum pump oil amount to reach the required → Modify setting with up-regulation button and down-regulation button to meet the requirements of maximum pump oil amount, and then press confirm button to

value, and then press confirm button. enter the next item.


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4 Fan speed setting  → Press up-regulation button and down-regulation button to modify the minimum fan speed to reach the required value, and then press confirm button. → Modify setting with up-regulation button and down-regulation button to meet the requirements of maximum fan speed, and then press confirm button to enter the next item.


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5 Operating voltage setting  → **Only in the shutdown state can the main board operating voltage be selected.** Press the up-regulation button and down-regulation button to select the switching work voltage 12V system to be adjusted to display U-12, and 24V system to be adjusted to display U-24 to complete the selection. **Before start-up, check whether the oil pump, motor and ignition plug of the machine are matched, thus avoiding damage.**

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6 Selection of speed signal  → Press up-regulation button and down-regulation button to set the speed signal. The polarity of the two magnets of the impeller is opposite or only one magnet is selected as 1. The polarity of the two magnets of the impeller is the same. Please select parameter 2. If this parameter is incorrectly selected, the speed difference will be about 1 times.

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7 Administrative password modification  → After entering, oFF status will be displayed. If there is no need of modification, just press confirm button to skip the password modification, saving parameters and exiting automatically. Press up-regulation button and it will display "on", and then press confirm button to enter modification status. Input 4-digit new password and press confirm button to save the password and the adjusted setting parameters, exiting automatically.

Precautions: After all the parameters are set, you must press confirm button to exit before saving the setting parameters. If you press confirm button to exit, the parameters will not be stored. Please check each new digit of password carefully and save it, through which you can enter to the parameter modification next time.

4. Query machine status description

Time display → Ambient temperature display → Setting temperature display (automatic temperature control)/setting pump oil amount display (Manual temperature control)

↑ in non-setting state, press the confirm button to view it cyclically. ← Display of history fault code ← Display of supply voltage

5. Description of fuel filling in manual mode

In the non-setting state, press the down-regulation button first and then press confirm button to enter the manual pump interface. When it displays H-oF, release confirm button first and then release the

down-regulation button. Press up-regulation button to start the manual pump oil and it displays the H-on. You can hear the working sound of the oil pump and the oil pump icon lit. Press down-regulation button or setting button to close and exit manual pump, and oil pump icon disappears.

6. Timing switch description

After the running time is set, press confirm button to enter the timing switch function setting, which defaults to "oF" off state, press up-regulation button to start "on" state, press confirm button to set the first group about the hours and minutes of start-up time, and then enter the setting of hours and minutes of shutdown time after confirmation. Press confirm button to enter the second group. The setting method is the same as above. Set the hours and minutes of start-up time, and then the hours and minutes of shutdown time. A time interval may be set between the two sets of timings. The timing function is only run once. After this time, the current timing will be turned off. Please turn it on again and set the time for the next time. The alarm clock icon lit up after the timing setting and disappear at the end of the timing.

7. Description of temperature control mode switching

In the non-setting state, press and hold the up-regulation button first and then press the setting button to display P-x.x (xx represents the pump oil amount), i.e., entering the manual temperature control mode. The pump oil amount is limited to the current setting - the initial pump oil amount. When you press the 2 button above, XX is displayed. C (xx stands for temperature value), that is, the automatic temperature control mode is entered, and the pump oil amount is controlled to run between the maximum pump oil amount - the initial pump oil amount. The automatic change of pump oil amount in two modes depends on the change of temperature. The difference between the two modes is that the pump oil amount in automatic mode can reach the maximum value in the parameter setting and the machine heat is high. The pump oil amount in manual mode is limited to the current setting value and will not reach the maximum value in the parameter setting. The machine heat is limited to the range of choice, taking into account the usage habits of some old drivers.