

# Operating instruction For 12v Diesel Air Heater



## 1. Key function

◀ left--> non-setting state, up the working temperature or oil amount, set the state, up the setting parameters On / Off - > Long press 3 seconds to start the screen display On, long press 3 seconds to shut down, the screen displays off

▶right--Non-setting state, down adjustment of working temperature or oil

amount, setting state, down adjustment of setting parameters The basic operation can use the above state, and other operations are described as follows

Parameter setting-- long press up--enter the setting state, you can adjust the setting parameters, change the working state of the machine

Parameter confirmation - in the setting state, press on/off - confirm the current set value, enter the next parameter setting, non-set state press on / off - check the operating status of the machine

Parameter confirmation Long press key to enter the remote control pairing state, press the remote control boot key pairing, the specific operation is described below

Temperature control conversion At the same time, press and hold the up regulation and switch - the temperature control mode can be switched, and the specific operation is described below

Fuel Filling - > Simultaneously press and hold down the down and switch a to start the fuel filling function, the specific operation is described below

## 2. Query the machine status (short press On/Key, switch a state every time you press, loop display).

----- time display---- ambient temperature display---- set temperature display (automatic temperature control mode) / set oil volume display (manual temperature control mode) ----- supply voltage display---- altitude display----- ----- Historical fault code display ----- Press the confirmation key to cycle through the view----

## 3. Manual fuel filling description

In the shutdown state, while holding down and on the key to enter the manual fuel filling display HoF, after release, and then press the up regulation to show H on the oil pump start to work, you can hear the oil pump working sound, the oil pump icon is lit. Pressing the key shows HoF, exits the fuel refill, and the pump icon disappears. The exhaust pipe air process needs to be observed, the oil can be stopped when it reaches the position of the machine inlet, too much fuel enters the machine, and there will be black smoke when igniting.

## 4 temperature control mode switching description

At the same time, press and hold the up adjustment and open the key can switch the temperature

control mode, manual temperature control (adjust the amount of oil display P-16 number represents the amount of oil), automatic temperature control (adjust the temperature display J word represents the temperature), the difference between the two temperature control methods is that the automatic mode of pumping oil can reach the maximum value of the parameter setting, the machine heat is higher The amount of pump oil in the manual mode is limited to the current set value, will not reach the maximum oil amount value set by the parameter, and the gear is clearly taken into account the use habits of some old drivers

#### 5 remote control code description

In the shutdown state, press and hold the LCD panel down key. Enter the remote control code interface, display KFA and then press the open button on the remote control, launch the remote control code, the code is successful, and the code will automatically exit the code interface. If the code fails, it will not enter the power-on state. The timeout does not receive the remote control code automatically exits the code state.

#### 6 Parameter setting process description (long press the up key to enter the setting state)

Press the Up or Down key to adjust the parameters

##### 1 Time setting

Set the parameters such as hours (24-hour clock) and minutes in turn, press the confirmation key to confirm the parameters, and enter the next item

##### 2 Timing power-on settings

Off by default, show 1 oF. Press the up key to turn on display 1 oN, press the confirm key to enter the >

Set hours, minutes, and then hours. Timing is a countdown with a maximum of 99 minutes and 59 seconds

##### 3 Timing shutdown settings

Off by default, show 2 oF Press the up key to turn on display 2 oN, press the OK key to recognize the entry

Set hours, minutes, and then hours. Timing is a countdown with a maximum of 99 minutes and 59 minutes

##### Manage password entry

Press the up and down keys to adjust, when the correct value appears, press the confirmation key to enter the next bit, after the 4-digit password is entered correctly, press the confirmation key to enter the next item, and the input error will return to waiting for the first digit value to be entered. No need to modify subsequent data, press the setting key until exit, or wait 10 seconds for the timeout to exit automatically.

##### 4 pump oil volume setting

Press the up or down key to modify the minimum fan speed, and after reaching the required value, press the confirm key to enter the maximum speed setting

Press the up or down key, modify the maximum fan speed to reach the required value, and press the confirm key to enter the next item

#### 5 fan speed setting

Press the up or down key to modify the minimum fan speed, and after reaching the required value, press the confirm key to enter the maximum speed setting

Press the up or down key, modify the maximum fan speed to reach the required value, and press the confirm key to enter the next item

#### 6 Operating voltage setting

The motherboard operating voltage can only be selected in the shutdown state. Press the up or down key to toggle the setting operating voltage, the 12V system is adjusted to display U-I2, and the 24V system is adjusted to the display to complete the selection. Before starting the machine, pay attention to check whether the machine oil pump, motor, ignition plug is matched to avoid damage

#### 7 speed signal selection

Display SN-1 Press the up or down key, set the speed signal, the impeller 2 magnets have the same polarity, select SN-2 magnet polarity is different or only 1 magnet select SN-1 (default) This parameter selection error, will cause the speed difference of 1 times

#### 8 ignition plug power options

Displays the PF-5 up or down key and modifies the default value of 5 for the values (1=35W.2=40W, 3=45W, 4=80 W, 5=85W, 6=90W). It is recommended to use the default values, or modify them after verification.

#### 9 Manage password modification

Initially display the oF status, do not need to change the confirmation key to skip the password modification, and save the above modified parameters. Press the up key when modifying, press Confirm to enter the password modification state after displaying ON, press the up or down key to adjust, press the confirmation key to enter the next bit after the 4-digit password is entered correctly, save the new password and adjust the set parameters and automatically exit.

Note: Clock time, timing on-off time, setting up but taking effect. After all the parameter settings after the management password are completed, you must press confirm, and do not save the setting parameters until you exit after item 9, if you exit the previous adjustment data in the middle, it will be lost and invalid. Double-check each newly entered password and save it so that you can go in and change the parameters next time.