Heater control switch
YAH-A2013LB Instructions for use

work pattern

In the gear mode, the gear can be adjusted within the range of 1 to 10;

In the temperature control mode, the set temperature can be adjusted within the range of 8~36 . The control switch can be adjusted according to the running position, so that the set temperature can be quickly reached, making the heater run more intelligently and economically.

When a fault occurs during operation, the fault code will be displayed by flashing in the display window of the control switch to facilitate more accurate and intuitive finding of the fault.

operation declaration:

- Turn on/off: Press the [power button] to turn on when off; press the [power button] to turn off when on;
- Mode switching: Press the [Setting key] to switch to temperature control mode in gear mode, and press the [Setting key] to switch to gear mode in temperature control mode;
- Gear adjustment: press the [up adjustment key] to run gear/temperature + 1, up to 8 gears/36 ;
  press the [down adjustment key] to run gear/temperature-1, down to 1 gear/8 ;
- Basic Settings: When the device is on, the screen displays the current time. Long press the [Settings] button for 3 seconds to enter
  - Project 1: Set the current time, press the [Setting key] to set, press the [Up adjustment key]/[Down adjustment key] to switch;
  - Project 2: Set the automatic start time, and set it in the same way as above;
  - Project 3: For the automatic start-up running time, set the method as above, and the switching unit is 0.5 hours;
  - Project 4: Set the automatic start function ON/OFF. After the automatic start function is turned on, the alarm clock icon on the screen will always be on.

  Project 5: Temperature compensation
  - Project 6: Constant temperature mode (in constant temperature mode, when the cab temperature reaches the set temperature, it will automatically shut down
  - after a delay of 30s; when the cab temperature is lower than the set temperature by 2 , it will automatically start up after a delay of 30s)
  - Project 7: Temperature switching; Project 8: Screen brightness after no operation with a carbon monoxide alarm
  - Project 9: Carbon monoxide alarm switch; (C-ON/OF) Note: It should be used

  Project 10: Display running time (OF is the current time, ON is the running time)
- Press the [Up adjustment key] / [Down adjustment key] to modify, and press the [Setting key] again to confirm the current data modification;

  Press the [up adjustment key] / [down adjustment key] to adjust the setting items. After all the adjustment is successful, long press the [setting key] for 3s to save all the basic Settings and return to the running interface;

  Engineering mode: In the on state, press the [up adjustment key] and [down adjustment key] for 3s to enter the engineering mode. Press the [up adjustment key] to increase the item by 1, press the [down adjustment key] to decrease the item by 1, and display the data items in the display area under the engineering mode;

  001: Heater motherboard version number; 002: Fault code; 003: shell temperature;

  004:power supply voltage; 005: Heater operating position; 006: cab temperature;

  007:altitude; 008: Pump oil mode; 009: Remote control matching;

  010: Bluetooth name 011:Restore factory Settings
- Remote control matching: Press the upper adjustment key for 3 seconds when the machine is on, and the interface displays "P-1". At this time,press any button of the remote control for matching.
- Clear remote control matching: when the power-on self-test is completed, press the [power-on key] for 7s. The interface displays "CLr" to start clearing. When the interface displays "SUC", the clearing is successful.
- Bluetooth matching: Enter the engineering mode under the boot state to view the Bluetooth name of Project 10, then open the small program to search for the device, find the Bluetooth name consistent with the last four digits of this device, and then start matching.
- Pump oil mode: When the first power-on self-test is completed, press [Pump oil] for a long time until the screen shows 300s countdown. Release the button and start pumping oil. Press [Power on key] to end pumping oil and shut down;
- Fault display: When the heater fails, the fault code is displayed in the flashing area. See the following table for the fault type;

Trouble light	Fault type	Troubleshooting
E-01	Voltage abnormality	Check whether the type of power supply voltage of the heater is consistent with the actual vehicle voltage; check whether the power supply voltage of the 24V version is higher than 32V or lower than 18V; check whether the power supply voltage of the 12V version is higher than 18V or lower than 9V; check whether the main harness joint is loose and false connection;
E-03	Ignition plug is abnormal	Check whether the ignition plug plug is loose; if the ignition plug is faulty, replace the ignition plug; if the motherboard is faulty, replace the motherboard;
E-04	Oil pump is abnormal	Check whether the oil pump plug is loose and false connected; check whether the main harness is broken; oil pump failure, replace the oil pump;
E-05	Overheat protection	The furnace temperature sensor model is wrong or faulty, replace the sensor; the motherboard is faulty, replace the motherboard;
E-06	Fan is abnormal	Check whether the fan impeller is stuck; check whether the fan plug is loose and false connection; fan failure, replace the fan; check whether the wind wheel induction magnet is missing or polarity error; check whether the main board wind speed sensor is normal; main board failure, replace the main board;
E-08	The engine stalled due to lack of oil	Check whether the oil tank is short of oil;
E-09	Overheat protection sensor	Check whether the temperature sensor connector is loose and false connected; sensor fault, replace the motherboard; motherboard fault, replace the motherboard;
E-10	The secondary startup failed	Check whether the oil pump is working; check whether the oil line interface is waxed or blocked;

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF exposure statement:
The equipment complies with Innovation, Science and Economic Development Canada's Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
Déclaration d'exposition RF:
L'équipement est conforme à la limite d'exposition aux radiations de la Innovation, sciences et développement économique Canada établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.