

A-2209 Bluetooth control switch instructions



- ① : Set key
- ② : knob
- ③ : power key



Android App





IOS App




Operating mode:

- ◆ In gear mode, gear 1-10 can be set and adjusted;
- ◆ In the temperature control mode, the temperature can be set and adjusted, and its range is 8 36 °C; If the constant temperature mode is set, the gear of the control switch can change according to the change of indoor temperature. When the temperature increases or decreases, the control switch will automatically adjust the working gear of the parking heater to make the indoor temperature reach the set temperature quickly.
- ◆ When the parking heater fails, the control switch will display a fault code to facilitate inspection and troubleshooting.

Operating Instructions :

- ◆ **On or Off:** Press the power key  to turn on or turn off;
- ◆ **Mode Switching:** Press the knob to switch between gear and temperature control modes;
- ◆ **Gear and temperature adjustment:**
 - ★ Turn the knob clockwise, operating gear or temperature increase +1, maximum increase to 10th gear or 36 °C.
 - ★ Turn the knob counterclockwise, operating gear or temperature decrease -1, minimum decrease to 1st gear or 8 °C.
- ◆ **Basic Data Settings:** After power on, long press the setting key “” for 3 seconds to enter the basic setting page, setting items are displayed in the upper left corner of the screen. The specific data are as follows:

F0 : current time;	F1 : Auto start time;
F2 : Running time (after automatic startup);	F3 : Automatic on or off setting;
F4 : Language switching 【Chinese(C), English(E), Russian(R)】 (The general version only supports Chinese broadcasting);	
F5 : Temperature compensation;	
F6 : Amount of oil in the tank; 【 5L-50L (The conversion unit is 5L) 】 【Display “--” indicates that the diesel capacity is not monitored 】	
F7 : Power of oil pump 【 16/ 22/ 28/ 32 UL (The default is 22UL) 】 ;	F8 : Bluetooth on or off;
F9 : Automatically start or stop the parking heater ; (In the automatic mode, when the indoor temperature reaches the set temperature, the parking heater will automatically stop working after a delay of 30 seconds; When the indoor temperature is 2 °C lower than the set temperature, the parking heater starts to work after a delay of 30 seconds.)	


 - ★ Press the knob to modify the set data, and press the knob again to confirm the modified data;
 - ★ Turn the knob to adjust the set items. After all adjustments are successful, long press the setting key “” for 3 seconds to save all the set items.
- ◆ **Query mode:** In the power on state, long press the setting key “” and power key  for 3 seconds at the same time to enter the query mode. The current item is displayed in the upper right corner of the control switch screen, and the specific data of the item is displayed in the middle. Turn the knob to adjust the item to view the data. The specific data are as follows:

En00: Version number of the circuit board; [Scrolling]	En01: Fault code;
En02: Case temperature of parking heater;	En03: Voltage;
En04: Operating gear	En05: Cab temperature;
En06:Altitude of environment;	En07: Pump oil function
En08: Remote control matching function;	En09: Bluetooth matching
En10: Ventilation function; [The specified version has this function]	
- ◆ **Remote control matching operation:**

In En08 item, when "rte" is displayed on the screen, long press the knob for 3 seconds to start the matching operation. When the screen displays "P1", press the [+] key on the remote control, and the screen displays "P2", indicating that the [+] key is successfully matched. Then set "P2", "P3" and "P4" in the same way as "P1". When the "P4" matching is successful, it will automatically exit the query mode, return to the operating mode, and the remote control matching is successful.

 - The four key operations of the remote control are as follows:

P1: [+]	P2: [-]	P3: Mode switching	P4: ON/OFF
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- ★ Delete the last remote control matching data: Press the power key  for 7 seconds during power on self-test, and the screen will display "CLR" to start deletion, and then display "SUC" to delete successfully.
- ◆ **Bluetooth matching operation:**
Open the mobile phone APP, select "Settings", and after the password is set successfully, adjust the control switch to enter En09 in the query mode. When the screen displays "BLE", long press the knob for 3 seconds, and the initial password is displayed first in the upper right corner of the screen, and then the set password is displayed. At this time, the screen displays "SUC". After successful Bluetooth matching, it automatically returns to the working mode.
- ★ Query the Bluetooth name of this parking heater: After power on, long press the setting key "⚙" and knob for 3 seconds at the same time. When the screen displays "BLE", 6 characters (0-F) will be displayed above it, which is the name of Bluetooth; ("NULL" will be displayed above it, indicating no Bluetooth function), press any key to exit the query mode.
- ◆ **Pump oil mode:**
After the parking heater is powered on, long press the pump oil key (In the lower left corner of the control switch, the fuel tank icon) until the screen displays "- P -", the oil pump icon appears, and the screen displays 300 seconds countdown. Release the key to start oil pumping, and then automatically exit after the countdown. This operation is completed during power on, and cannot be accessed after power on self-test.
- ◆ **Ventilation mode:**
Enter the En10 item, the screen displays "vEN", long press the knob for 3 seconds, then the fan icon flashes, and it will automatically return to the working mode after 20 seconds (not all parking heaters have this function, please determine according to the ordering type);
- ◆ **Tank icon setting:** After startup, long press the oil pump key for 7 seconds to set the oil tank icon.

Fault code and fault inspection:

•When the parking heater fails, the screen will display the fault code. Refer to the table for the fault type:

Fault Code	Fault Type	Troubleshooting
E-01	Startup failed	Check whether the oil circuit is smooth and whether the oil pump works;
E-02	Flameout due to lack of oil	Check whether there is a lack of oil and whether the oil circuit is smooth;
E-03	Abnormal voltage	Check the voltage and check whether the main harness connector is loose;
E-04	Air outlet temperature sensor fault	Check whether the sensor plug is loose; Air outlet sensor fault; Circuit board fault;
E-05	Inlet air temperature sensor fault	Air inlet sensor failure, replace the circuit board;
E-06	Abnormal oil pump	Check whether the oil pump plug is loose and whether the main harness is open circuit; Oil pump failure;
E-07	Abnormal fan	Check whether the fan is stuck; Check whether the fan plug is loose; Replace the fan in case of fan failure; Check whether the fan induction magnet is missing or the polarity is wrong; Check whether the circuit board wind speed sensor is normal; Replace the Circuit board if it fails;
E-08	Abnormal ignition plug	Check whether the ignition plug is loose; Ignition plug fault; Circuit board fault;
E-09	High temperature protection	The parking heater temperature sensor signal is faulty or wrong, replace the sensor; Replace the circuit board in case of circuit board failure;
E-10	Abnormal body temperature sensor	Check whether the body sensor plug is loose; If the machine sensor signal is faulty or wrong, replace the sensor; Replace the circuit board in case of circuit board failure;