Instruction manual for intelligent power cut-off device for preventing battery loss in automobiles

Product specifications and features:

1. Operating voltage range: 6-30VDC.
2. Adaptive 12V and 24V vehicle systems.
3. Automatic low voltage threshold alarm and automatic battery disconnection.
4. Frequency: 433.92MHz.
5. Standard model indicator light display (on and off immediately) for low and high voltage; 6-digit digital tube display for 6 displays; Real time display of voltage+-0.2V; intuitive monitoring of battery voltage (on and off) with low and high voltage indicator lights;
7. 700uA ultra-low standby power consumption;
8. Driving process and ignition accidental triggering protection

Product parameters:

1. Operating temperature: -20 ° C to+100 ° C.
2. Rated current of switch: 250A
3. Instantaneous current of switch: 500A
4. Loss of power protection threshold: 11.6V+-0.2V/23V+-0.2V
5. Loss of power delay: 60 seconds alarm, 120 seconds automatic disconnection.
6. Standby current: 700uA

Note:
1. The remote control can be paired with the device normally within the working voltage range;
2. Manual button ON/OFF can be used to connect and disconnect the equipment within the working voltage range;
3. Equipment with a power supply voltage below 6V or above 30V will automatically shut down and disconnect;
4. If the power supply voltage is lower than the protection threshold voltage (11.6V/23.2V) for 60 seconds, an alarm will be triggered, and if it is 120 seconds, the equipment will automatically disconnect to protect the battery;

5. When the voltage is higher than 13.2V (12V system)/26.2V (24V system), the RF remote control fails to prevent accidental touching of the remote control button during driving, which may cause power failure;
6. When the voltage range is 6-18V, it self identifies as a 12V vehicle system and operates in response to the threshold point of the 12V system;
7. When the voltage range is between 18-30V, it self identifies as a 24V vehicle system and operates in response to the threshold point of the 24V system;
8. When driving, the battery voltage is relatively high and the system enters a false triggering protection state; When the battery voltage is relatively low during ignition, the system enters the ignition misoperation protection state

Remote control matching instructions

1. Interlock mode (applicable to vehicle system control) - Press the manual button ON continuously for 3 seconds, and the code indicator light will flash 3 times to enter the learning mode. Press any button on the remote control, and the indicator light will flash 3 times; The buzzer sounds three times; Code successful;
2. After entering the learning mode, if the learning code indicator light does not receive a remote control signal within 30 seconds, it will automatically exit the learning mode;
3. Clear code - Long press the manual button ON to flash the code indicator light 8 times, indicating that the code clearing is complete; 4. The device can store up to 20 different remote control codes;

FCC Caution：

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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 & your body.