

# CAR BATTERY REMOTE SWITCH

## Instruction manual



### Product Introduction:

This product utilizes remote control technology to control the connection and disconnection of the battery, thereby protecting the battery from accidental discharge after the vehicle is turned off and extending the battery's lifespan.

### Technical Specifications:

Starting Current: 500A

Standby Power Consumption: 5mA

Power-off Threshold:  $11.9V \pm 0.2V$

Instantaneous Current: 2400A

Operating Temperature:  $-20^{\circ}\text{C}$  to  $90^{\circ}\text{C}$

Rated Voltage: 12V

Voltage Range: 10V to 16V

Waterproof Rating: IPX6

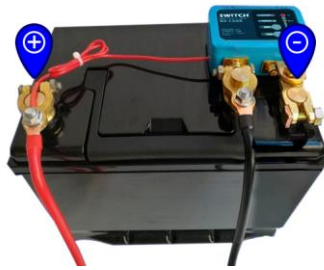
Suitable for Vehicle Engine

Displacement: Below 4.0L

Copper Cross-Sectional Area: 45 square millimeters

### Installation:

1. Remove the negative terminal clamp from the battery.
2. Attach the switch to the negative terminal and tighten it.
3. Install the car's negative cable to the other end of the switch.
4. Connect the red switch positive cable to the positive terminal of the vehicle's battery.

**Instructions:**

Instructions: After Parking:

1. Park the vehicle.
2. Close the doors and windows.
3. Activate the vehicle's security system and lock the car.
4. Disconnect the power using the remote control.

Before Using the Vehicle:

1. Connect the power using the remote control.
2. Wait for the vehicle's systems to start up completely.
3. Open the doors.
4. Start the ignition.
5. Begin tour journey.

**Other Features:**

▲ Automatic Power Cut-off: The power will be cut off when the voltage drops below 11.9V. After the vehicle is parked and the engine is turned off, if a leakage is detected and the voltage drops below the threshold of 11.9V, the power will be cut off and the indicator light will change from blue to red. After a delay of approximately 5 minutes, the power will be automatically cut off. Once the automatic power cut-off is activated, the indicator light will turn green. Before starting the engine, press the ON button on the remote control once to activate the power. Wait for the vehicle's systems to start up completely (approximately 5-30 seconds) before opening the doors and starting the engine. The automatic power cut-off feature is disabled once the engine is started. The automatic power cut-off occurs when the battery has approximately 60% remaining charge. Manual power cut-off using the remote control or mobile phone occurs when the battery is fully charged (approximately 100% remaining charge).

▲ Anti-Mispress: The anti-mispress feature is designed to prevent accidental pressing of the remote control's OFF button while the vehicle is in motion. After the vehicle's engine is started, this feature automatically activates and prohibits the OFF command from the remote control. This is to avoid mistakenly pressing the OFF button and causing the battery to be disconnected, preventing the vehicle's alternator from charging the battery and potentially damaging the vehicle's equipment. When the anti-mispress is active, pressing the OFF button on the remote control, the OFF button on the control panel, or the power cut-off button on the

mobile phone will be automatically prohibited. The anti-mispress indicator light will illuminate to indicate that pressing the OFF button and panel buttons as well as mobile phone control for power cut-off has been automatically prohibited.

▲Leakage Check: After the vehicle is parked, turn off the headlights and clearance lights, and close the doors. Then, you can check for any leakage.

#### **Q&A:**

Is it a universal installation? A: It is compatible with the majority of small vehicles, but there might be some difficulty with a few specific cars. However, it can still be installed .You can provide a picture of the battery to our customer service to confirm the terminal type and receive installation guidance. How to deal with severe leakage?

A: Use the remote control's OFF button to disconnect the power and lock the battery to prevent severe leakage (where the battery loses power within 1-5 days). After parking, press the remote control's OFF button to disconnect the power and lock the battery's full charge. This can reduce waste and maintain strong power for starting the engine. If you forget to turn off the remote control, the power will automatically be cut off. However, in this case, approximately 60% of the battery's remaining charge will be locked.

How to use it? After parking: Close the doors and windows, activate the vehicle's security system, and then disconnect the power. Before using the vehicle: Wait for the vehicle's systems to start up completely, open the door, start the ignition, and then begin driving.

What is the purpose of the power cut-off device? It intelligently detects battery drain and leakage, and automatically cuts off the battery's main switch while reserving approximately 60% of the remaining charge for the next vehicle startup. This ensures that the battery does not deteriorate. The automatic power cut-off locks approximately 60% of the remaining charge, while the manual remote control power cut-off locks approximately 100% of the remaining charge.The standard version, enhanced version, and supreme version have automatic power cut-off functionality, while the economy version does not (it will not cut off the main switch when the battery is discharged). What does the battery voltage indicate? After starting the engine, the battery voltage should be between 13-14.8V. If it drops below 13V, it is recommended to have the engine inspected and repaired. If it goes above 14.8V, it is also advisable to have it checked by a technician. After parking and engine shutdown, the battery voltage will drop from around 14V to around 13V, and eventually stabilize between 12.5V and 12.7V. If the voltage continues to drop, it indicates the presence of leakage. The larger the leakage, the faster the voltage drop, and vice versa, a smaller drop indicates less leakage.

#### **FCC Warning:**

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.