

PRODUCT MANUAL

1. Product Overview

Product Name: Car Switch

Batch/Serial Number: Button Switch

Basic Specifications

Input Voltage: DC 12V

Rated Current: 1.5A

Rated Power: 18W (Max)

Do not exceed the rated current; use a relay for high-power devices.

Material: Flame-retardant ABS

Working Temperature: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$

2. Compliance Information

CE Marking: This product complies with EU safety standards (LVD – Low Voltage Directive, EMC – Electromagnetic Compatibility Directive, RoHS – Restriction of Hazardous Substances Directive).

RoHS Compliance: The product is free of lead, mercury, cadmium, hexavalent chromium and other hazardous substances, meeting environmental protection standards.

3. Safety Instructions (WARNING!)

WARNING! 1. Disconnect the negative terminal of the car battery before installation. Do not operate with power on to avoid short circuit, sparks or damage to the vehicle circuit.

2. This product is only suitable for 12V DC vehicle power supply. DO NOT connect to 220V AC household power, otherwise it may cause burning, fire or electric shock.

3. The switch has a rated current limit. High-power devices (lights, air pumps, light bars, etc.) must be used with a relay. Do not directly drive heavy loads to avoid overheating and burning the switch.

4. All wiring must be firm and well-insulated. Use heat-shrink tubing or electrical tape to cover all connectors. Exposed metal is strictly prohibited to prevent short circuit and fire.

5. Ensure the waterproof gasket is correctly installed and compressed during installation. Keep the switch away from high temperature, oil and water areas for good waterproofing and heat dissipation.

6. Do not disassemble or modify the internal structure of the switch by yourself, so as not to lose waterproof and insulation performance and cause failure or danger.

7. Non-professionals please install under the guidance of automotive electricians. Wrong wiring may cause damage to vehicle electrical appliances, malfunctions or even safety hazards.
8. If the switch becomes loose, hot, smelly, noisy or abnormal, stop using it immediately and check or replace it.
9. This product is a car modification accessory. Installation and use must comply with local traffic laws and vehicle safety standards.

4. How to Use

1, Preparation: Disconnect the negative terminal of the car battery before installation to cut off power and avoid short circuits or electric shock caused by live operation. Prepare tools (screwdriver, wire stripper, heat-shrink tubing / electrical tape, hole punch) and check that all accessories are complete and intact.,

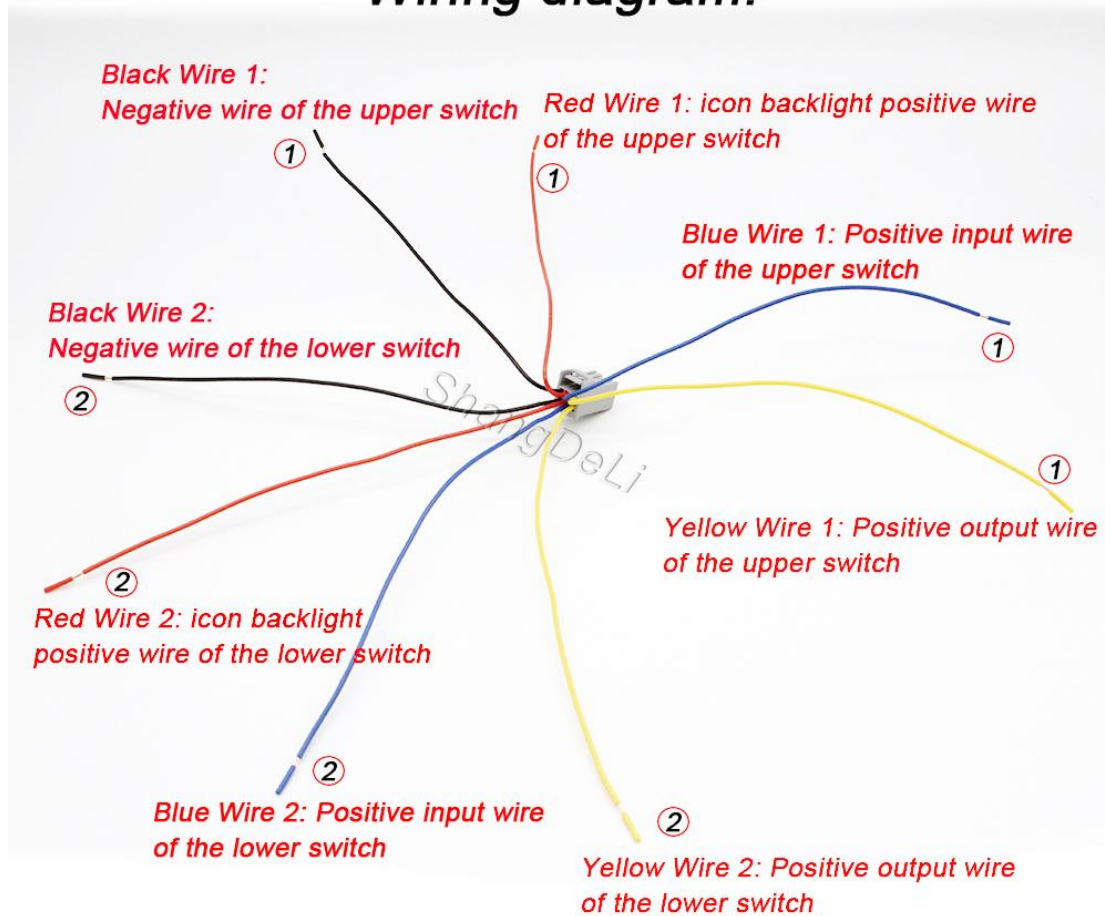
2, Drilling & Installation: Replace the blank reserved switch directly. Insert the switch from the front of the panel, install the waterproof gasket (ensure no deviation), then install the washer and mounting nut on the back in sequence. Tighten moderately with a screwdriver to ensure the switch is stable and the gasket is fully compressed. (If drilling is required, select a suitable position and drill accurately.)

3, Wiring: This product is an on-off switch without voltage conversion function. Input voltage is the same as output voltage (12V - 24V DC). Distinguish positive and negative poles to avoid reverse connection. For detailed steps, please refer to the wiring diagram below. Wrap all connectors with heat-shrink tubing or electrical tape to prevent exposed metal and short circuits.

4, Power-on Test: After wiring, check that all connections are firm, no exposed wires, and no reverse polarity. Reconnect the negative terminal of the battery. Toggle the switch to test whether the LED indicator and electrical device work normally, and check for overheating, abnormal noise or other abnormalities.,

5, Finishing: After passing the test, organize the wires and fix the excess harness with cable ties to prevent winding and wear. Paste function labels for easy identification. Check again that the switch is securely installed and the waterproof gasket is properly sealed.

Wiring diagram:



Wiring diagram:

- Yellow Wire 1: Positive output wire of the upper switch
- Blue Wire 1: Positive input wire of the upper switch
- Red Wire 1: Icon backlight positive wire of the upper switch
- Black Wire 1: Negative wire of the upper switch
- Yellow Wire 2: Positive output wire of the lower switch
- Blue Wire 2: Positive input wire of the lower switch
- Red Wire 2: Icon backlight positive wire of the lower switch
- Black Wire 2: Negative wire of the lower switch