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Nilight 90122F Multi-Functional Rocker Switch Panel Instruction Manual

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INTRODUCTION

With its premium parts, the Nilight 90122F Multi-Functional Rocker Switch Panel is made to improve the performance of your cars, boats, or recreational vehicles. This sturdy panel, which costs $32.39, guarantees both safety and use when operating your electrical gadgets. The panel, which is constructed to high standards, was released on August 27, 2020 by Nilight, a reputable company in vehicle accessories. The panel's IP54 International Protection Rating, two settings, and LED mirror lighting ensure dependability and performance under a range of circumstances. This switch panel provides excellent versatility for all of your electrical needs, including the ability to manage via USB connectivity. It is appropriate for a variety of settings because to its 1°C operating temperature range. For those looking for quality and functionality, this rock-solid design is perfect because it makes your electrical setup more convenient and reliable.

SPECIFICATIONS

Brand	Nilight
Price	$32.39
Item Dimensions (L x W x H)	3.94 x 1.97 x 3.94 inches
International Protection Rating	IP54
Number of Positions	2
Lower Temperature Rating	1 Degree Celsius
Upper Temperature Rating	1 Degree Celsius
Control Method	App
Connectivity Protocol	USB
Manufacturer	Nilight
Item Weight	1.43 pounds
Country of Origin	China
Item Model Number	90122F
Mirror Lighting Type	LED
Voltage	12 Volts
Date First Available	August 27, 2020

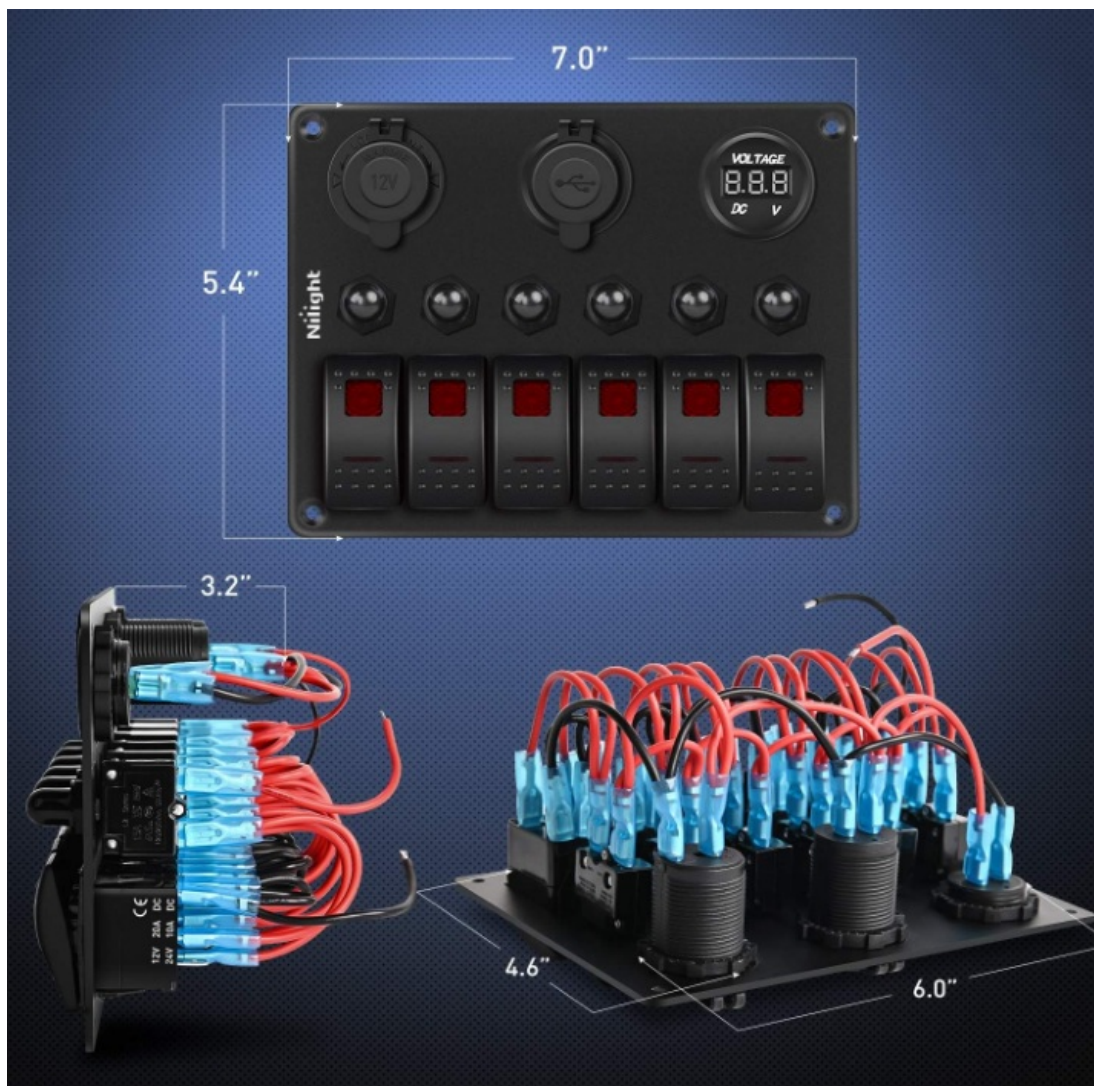## WHAT'S IN THE BOX

- Rocker Switch Panel
- Manual

FEATURES

- **Six Gang Rocker Switch Panel:** Provides six switches for controlling several devices or circuits at once.
- **Red Backlit Illumination:** In dimly lighted areas, red LED backlighting offers excellent visibility.
- **Digital Voltmeter:** Shows voltage measurements in real time to keep an eye on the car's electrical system.
- **Dual USB Charger:** Two USB ports with 3.1A output are included in this dual USB charger so that two devices can be charged quickly.
- **Cigarette Lighter Socket:** A universal 12V socket for powering a variety of items.
- **Circuit Breaker Protection:** For safety, use resettable 5A, 10A, and 15A circuit breakers to prevent overloading.
- **DIY Night Glow Stickers:** 132 glow-in-the-dark stickers are included so you may personalize switch labels.
- **Overload Protection:** When a short circuit or overheat occurs, the power supply is automatically switched off.

OVERLOAD PROTECTION

The circuit breaker will popup and interrupt the flow of electrical current when it exceeds a predetermined amount

- Cycling trip-free operation
- Reset type actuator
- Push to reset
- Panel mounting (threaded neck)

| 1 Normal State | 2 Over load, circuit breaker pops up | 3 Push to reset, back to normal state |

- **Pre-Wired for Simple Installation:** Pre-wired connectors and wiring instructions save time.
- **Waterproof and Dustproof (IP54 Rated):** With rubber seals, this product is appropriate for outdoor or marine use.
- **Superior Materials:** Constructed from PC and ABS for durability and heat resistance.
- **Universal Compatibility:** Cars, trucks, RVs, boats, motorcycles, ATVs, UTVs, and more are all compatible with it.
- **Compact Design:** Measuring only 3.94 x 1.97 x 3.94 inches, it saves space.

- **Flexible Configuration:** Accommodates a range of device connections for both 12V and 24V systems.
- **App-Controlled Capability:** For convenience, app control was incorporated into the design.

SETUP GUIDE

- **Unpack the Components:** Verify that the package contains the panel, screws, stickers, and frame.
- **Choose a Site for Installation:** Pick a site that is both safe and convenient.
- **Drill Mounting Holes:** Fasten the panel frame using the included screws.
- **Attach Red and Black Wires:** Attach the red wire to the positive terminal and the black wire to the negative terminal.
- **Connect Accessories:** Fasten gadgets to the proper switches, such as lights and chargers.
- **Attach USB Charger:** Attach the power supply to the two USB charger cables.
- **Install Cigarette Lighter Socket:** Attach wires and secure the socket to its assigned port.
- **Mount Digital Voltmeter:** Place the voltmeter on the panel in a conspicuous location.
- **Connect Circuit Breakers:** Make sure that the 5A, 10A, and 15A circuit breakers are wired correctly.
- **Test Connections:** Prior to placing the panel, make sure all circuits are operating properly.
- **Apply Night Glow Stickers:** Label switches for use at night with glow-in-the-dark stickers.
- **Secure Switch Panel:** Screw the switch panel into the mounting frame.
- **Ensure Voltage Compatibility:** Make sure all devices are in line with the 12V or 24V voltage rating.
- **Verify Switch Functionality:** To guarantee seamless operation, turn each switch.

- **Final Inspection:** Confirm that the panel is correctly positioned and that all connections are tight.

CARE & MAINTENANCE

- **Frequent Cleaning:** Dust and grime can be removed from the panel surface with a moist cloth.
- **Examine Connections:** Check all wiring for loose or worn connections on a regular basis.
- **Avoid Water Exposure:** To prolong longevity, avoid extended exposure to water, even though the product is waterproof.
- **Test Circuit Breakers:** To make sure the circuit breakers reset correctly, test them on a regular basis.
- **Prevent Overheating:** Steer clear of locations with excessive heat exposure.
- **Examine USB Ports:** Look for any damage or debris in the USB ports.
- **Keep Stickers Clean:** To keep labels visible in the dark, wipe them.
- **Prevent Overloading:** Make sure that no connected devices use more electricity than each switch is designed to handle.
- **Verify Voltage Readings:** Keep an eye out for any odd variations on the voltmeter that may indicate an issue.
- **Mounting Securely:** Make sure the panel stays firmly attached to its mount.
- **Avoid Sharp Objects:** Steer clear of sharp objects to keep the ABS/PC material from getting scratched or damaged.
- **Replace Damaged Wires:** Any frayed or damaged wiring should be replaced right away.
- **Check Seal Integrity:** To keep rubber seals waterproof and dustproof, check them for wear.
- **Test Switches Frequently:** To prevent stiffness or jamminess, rotate switches from time to time.
- **Store in Dry Areas:** To prevent moisture buildup, keep the car or gadget in a dry location when not in use.

TROUBLESHOOTING

Issue	Solution
Switch not working	Check if the panel is properly connected to the power source.
LED light not turning on	Ensure the switch panel is powered and all connections are secure.
App not connecting	Ensure Bluetooth or USB connection is stable. Reboot your device.
Panel is overheating	Verify the voltage and ensure no short circuits in wiring.
Panel is not responsive	Disconnect and reconnect the panel, then restart the app.
Water damage concern	Confirm the IP54 rating is intact; avoid exposing it to excessive moisture.
App crashes intermittently	Update the app to the latest version or reinstall it.
Switches are stuck	Inspect for physical obstructions; clean the panel contacts.
LED flickering	Check the voltage output and ensure compatibility with the system.
Unable to reset the panel	Follow the reset instructions in the manual for proper reset.

PROS & CONS

Pros:

1. Multi-functional with two rocker switches for various electrical devices.
2. IP54-rated, offering protection against dust and water.
3. LED mirror lighting ensures optimal visibility at night.
4. Compact design for easy installation in tight spaces.
5. User-friendly app control for seamless operation.

Cons:

1. Limited to only two switch positions.
2. App control may not be ideal for users preferring manual switches.
3. Requires 12V power source, may not be compatible with all vehicles.
4. Temperature tolerance is minimal, only rated between 1°C.
5. Higher price point compared to basic rocker switches.

WARRANTY

The Nilight 90122F Multi-Functional Rocker Switch Panel comes with a **1-year warranty**, ensuring peace of mind for the buyer. If you encounter any issues, Nilight offers a replacement or repair service based on the terms outlined in the warranty policy.

FREQUENTLY ASKED QUESTIONS

What is the price of the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel is priced at $32.39, offering a balance of functionality and affordability.

What are the dimensions of the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel has dimensions of 3.94 x 1.97 x 3.94 inches, making it compact and suitable for various installations.

What is the International Protection (IP) rating of the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel has an IP54 rating, providing protection against limited dust ingress and splashing water.

How many positions does the Nilight 90122F Multi-Functional Rocker Switch Panel have?

The Nilight 90122F Multi-Functional Rocker Switch Panel features 2 positions, enhancing control versatility.

What is the temperature range for the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel operates between a lower temperature rating of 1°C and an upper temperature rating of 1°C.

What control method is supported by the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel can be controlled via an app, offering convenience and advanced functionality.

What is the connectivity protocol of the Nilight 90122F Multi-Functional Rocker Switch Panel?

The Nilight 90122F Multi-Functional Rocker Switch Panel utilizes a USB connectivity protocol for seamless integration with compatible devices.

What type of lighting does the Nilight 90122F Multi-Functional Rocker Switch Panel feature?

The Nilight 90122F Multi-Functional Rocker Switch Panel includes LED mirror lighting for enhanced visibility and aesthetics.

VIDEO – PRODUCT OVERVIEW

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- **User Manual**

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