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Model: 8 Gang Switch Panel

1. INTRODUCTION

The AKD Part 8 Gang Switch Panel is designed to streamline the control of up to 8 LED lights or electronic accessories in your vehicle. Operating on 12V/24V DC, it offers a maximum power output of 720W/1440W and includes comprehensive safety features. This manual provides detailed instructions for the installation, operation, and maintenance of your switch panel.

2. SAFETY INFORMATION

Your AKD Part 8 Gang Switch Panel prioritizes safety with a 60A resettable circuit breaker, providing overcurrent, reverse polarity, and thermal protection. The built-in control box features 8 inline fuses and 6 spare fuses, ensuring a secure electrical environment for your automotive vehicles. Always ensure proper wiring and connections to prevent electrical hazards.

SAFETY FIRST



Safety Circuit Box

V_{in} : 12V - 24V

I_{max} : $\leq 60A$

P_{out} : 720W - 1440W

T_{case} : $-40^{\circ}C - +105^{\circ}C$

Figure 2.1: Safety Circuit Breaker. This component provides crucial protection against electrical overloads and short circuits.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 8 Gang Switch Panel
- 60A Circuit Breaker
- Circuit Control Box
- 50 Self-adhesive Labels
- Wiring Harness
- Mounting Brackets (two sets)
- Strapping Tapes
- Screw Set
- Instruction Manual

PACKAGE



Figure 3.1: Complete Package Contents. Ensure all listed items are present before proceeding with installation.

4. SPECIFICATIONS

Feature	Specification
Operation Mode	ON-OFF-ON
Current Rating	60 Amps
Operating Voltage	12 Volts (DC) / 24 Volts (DC)
Contact Type	Plug & Play
Connector Type	Plug In
Terminal	Through Hole
Circuit Type	8-way
Mounting Type	Panel Mount

Actuator Type	Push Button
Contact Material	Metal
International Protection Rating	IP54
Number of Positions	2
Control Method	Touch
Wattage	720 watts (12V) / 1440 watts (24V)
Item Weight	4 pounds
Package Dimensions	11.69 x 6.97 x 3.19 inches

5. SETUP AND INSTALLATION

5.1. Unboxing and Component Identification

Carefully remove all components from the packaging. Familiarize yourself with each part before beginning installation.

Your browser does not support the video tag. Please update your browser to view this content.

Video 5.1: AKD Part 8 Gang Switch Panel -- Wiring & Control Display. This video demonstrates the unboxing, installation, and wiring process for the switch panel.

5.2. Physical Installation

The compact 8 gang switch panel can be installed on various surfaces such as the dash panel, dashboard, center console, or overhead sunglasses holder. Use the provided adjustable mounting brackets or double-sided tape for secure placement.



Figure 5.2: Universal Fitment Examples. The switch panel can be mounted in various locations within your vehicle.

5.3. Wiring Connections

Follow these steps for proper wiring:

1. **Connect the Switch Panel to the Circuit Control Box:** Use the provided wiring harness to connect the 8-gang switch panel to the circuit control box.
2. **Connect ACC Wires:** Connect the red and white wires from the switch panel to an ACC (Accessory) power source in your vehicle. This ensures the panel powers on and off with your vehicle's ignition.
3. **Connect Battery Wires:** Connect the main red positive wire to the positive terminal of your vehicle's battery, passing through the 60A resettable circuit breaker. Connect the black negative wire to the negative terminal of the battery or a suitable ground point.
4. **Connect LED Lights/Accessories:** Connect the positive wires of your LED lights or electronic accessories to the corresponding positive terminals (1-8) on the circuit control box. Ensure the negative wires of your accessories are properly grounded.

8-IN-1 SWITCH

- ✔ Memory Function
- ✔ Double Protection
- ✔ Clean up all wirings
- ✔ Control 8 electronics together

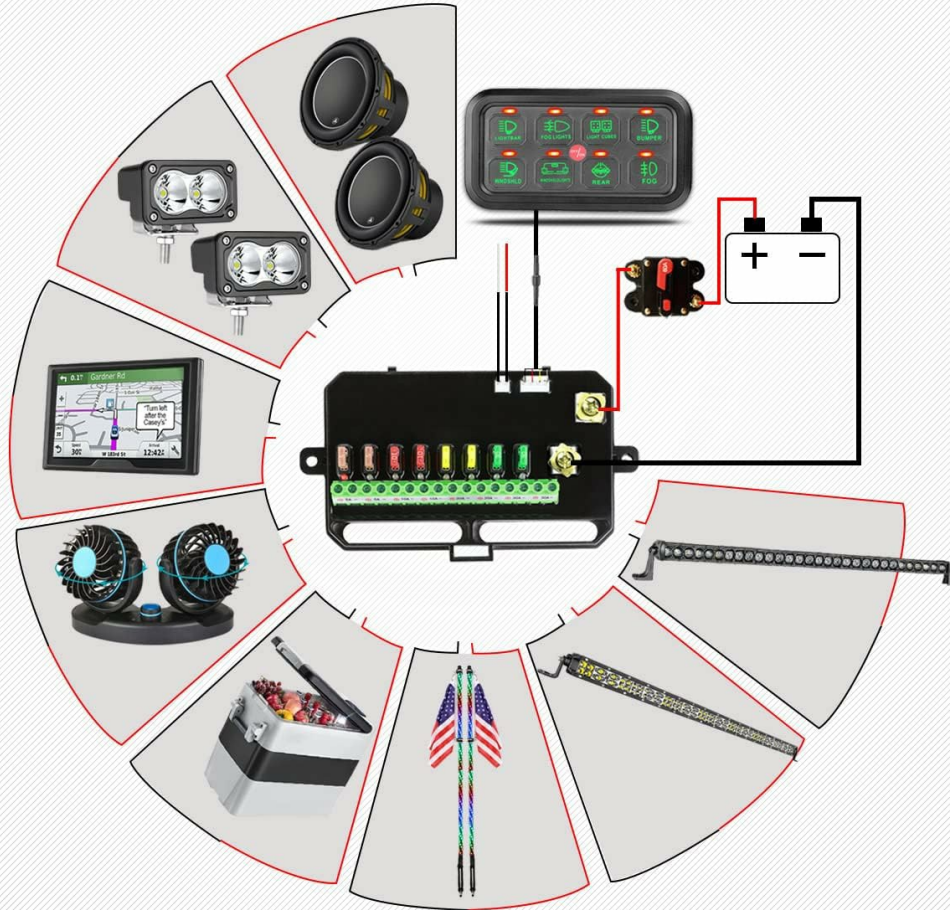


Figure 5.3: 8-in-1 Control System Diagram. This diagram shows how various accessories connect to the switch panel and control box.

CIRCUIT CONTROL BOX



Figure 5.4: Circuit Control Box. This box houses the fuses and relays for managing accessory power.

6. OPERATION

6.1. Basic Control

Once properly installed and wired, the 8-gang switch panel allows you to control connected accessories by simply pressing the corresponding buttons. Each button activates or deactivates its assigned accessory.

6.2. Customization

The switch panel comes with 45 commonly used label stickers and 5 DIY stickers. These allow you to customize and clearly identify the function of each button according to your specific needs.

CUSTOMIZATION

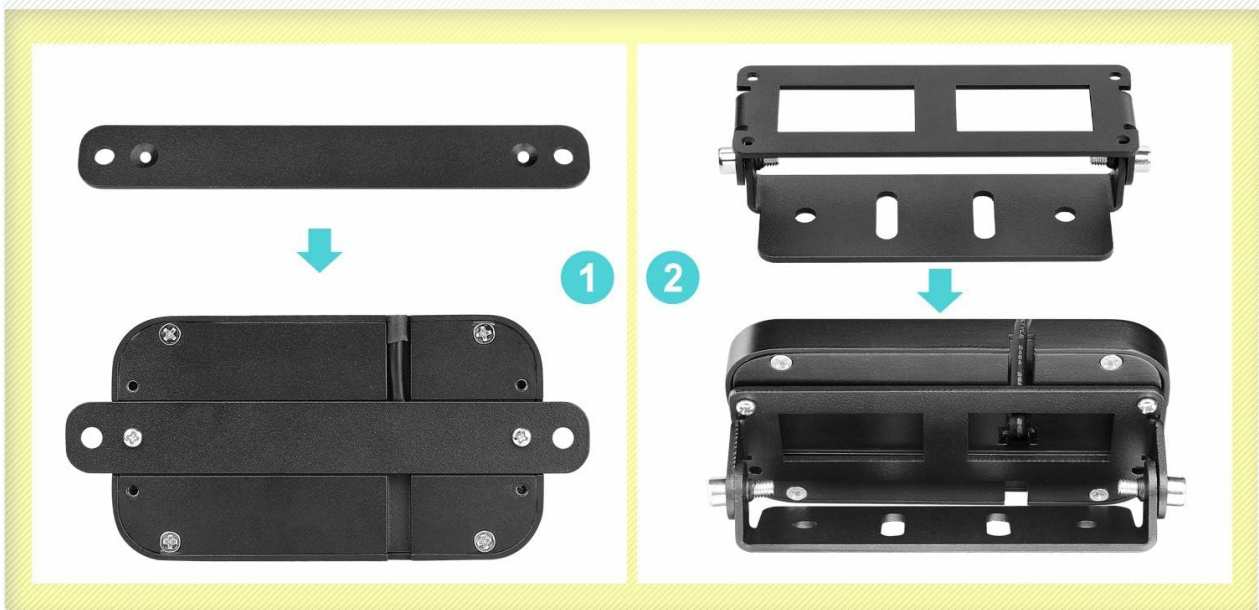
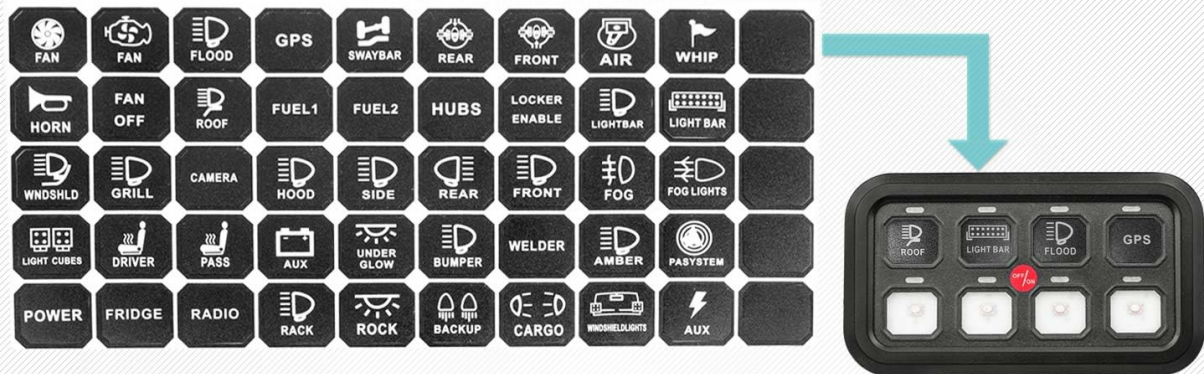


Figure 6.1: Customization Labels. Apply these labels to clearly mark each switch function.

7. MAINTENANCE

Regularly inspect all wiring connections to ensure they are secure and free from corrosion. Check the fuses in the control box periodically and replace any blown fuses with ones of the correct amperage. Keep the switch panel clean and free from dust and debris.

8. TROUBLESHOOTING

- **No Power to Panel:** Check the main power connection to the battery and the circuit breaker. Ensure the ACC wire is properly connected and receiving power.
- **Accessory Not Working:** Verify the connection of the accessory to the control box. Check the corresponding fuse in the control box; replace if blown. Ensure the accessory itself is functioning correctly.
- **Panel Lights Not Functioning:** Check the wiring connections to the panel. If individual button lights are out, it may indicate an internal issue or a specific circuit problem.

9. WARRANTY AND SUPPORT

The AKD Part 8 Gang Switch Panel comes with a 12 Months quality assurance. For any issues or support, please contact our 24/7 online support team.