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› XRIDONSEN XR-890S 8-Piece Red/White LED Emergency Grill Strobe Lights Instruction Manual

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Model: XR-890S

1. PRODUCT OVERVIEW

The XRIDONSEN XR-890S 8-Piece Red/White LED Emergency Grill Strobe Lights are designed to enhance vehicle visibility and safety. These lights feature a durable construction, multiple flashing patterns, and are suitable for a wide range of vehicles requiring increased warning presence.

Key Features:

- **High Visibility:** Bright and visible from a significant distance, ensuring safety in emergency situations.
- **Durable Construction:** Made from high-quality Polycarbonate (PC) for anti-collision, shockproof, dustproof, and anti-corrosion performance.
- **Waterproof Design:** IP67 waterproof rating for reliable operation in various weather conditions.
- **Multiple Flash Patterns:** Features 20 selectable flashing patterns for diverse warning needs.
- **Low Power Consumption:** Equipped with spotlight TIR lenses and LEDs for energy efficiency and a service life of 50,000 hours.
- **Memory Function:** Automatically saves the last used strobe pattern.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 8 x 4 LED Surface Mount Emergency Lights (Red/White)
- 16 x Bolts and Nuts
- 16 x Screws
- 32 x Wire Connectors
- 8 x Rubber Gaskets

- 1 x Instruction Manual

3. SETUP AND INSTALLATION

These emergency lights are compatible with DC 12V-24V power sources and can be surface-mounted on various parts of your vehicle. Ensure the vehicle's power is off before installation.

Mounting Locations:

- Grille
- Front Bumper
- Bumper Corners
- Tailgate
- Running Board
- Side Surfaces
- Rearview Mirrors
- Exterior Roof Rack

Installation Steps:

1. **Choose Mounting Location:** Select a flat surface on your vehicle for mounting. The lights feature an upgraded thick rubber base pad to prevent damage to the vehicle's surface.
2. **Secure Lights:** Use the provided bolts and nuts or screws to securely fasten each light to the chosen location.
3. **Wiring Connection:** Follow the wiring diagram below for proper connection. Each light has four wires:
 - **Red Wire:** Positive (+)
 - **Black Wire:** Negative (-)
 - **Yellow Wire:** Flash Pattern (Touch to black wire to change patterns)
 - **White Wire:** Synchronization (Connect white wires of all heads together for synchronization)
4. **Test Functionality:** After wiring, reconnect power and test all lights and flash patterns.



Image: Easy installation diagram showing lights mounted on a truck's front and side, along with individual light units.



Image: Detailed wiring diagram illustrating connections for red (positive), black (negative), yellow (flash pattern), and white (synchronization) wires.

Your browser does not support the video tag.

Video: Demonstration of the 8PCS Sync Surface Mount Grill Emergency Lights for Vehicles, showcasing their brightness and various flash patterns.

4. OPERATING INSTRUCTIONS

The XRIDONSEN emergency lights offer 20 distinct flashing patterns to suit different operational needs. The lights feature a quick response time and will remember the last selected pattern upon restart.

Changing Flash Patterns:

To cycle through the 20 available flash patterns, briefly touch the yellow wire to the black (negative) wire. Each momentary connection will advance to the next pattern.

Synchronization:

For synchronized flashing across multiple light units, connect the white wires of all lights together. This ensures all lights operate on the same pattern simultaneously.

PRODUCT DEAILAL



ACCESSORY DISPLAY

Bolts And Nuts X 16	Screws X 16	Wire Connector X 32	Rubber Gasket x8

Image: Product detail showing dimensions (4 inches long, 1.1 inches high, 1.3 inches deep) and included accessories.

5. MAINTENANCE

The XRIDONSEN XR-890S lights are designed for durability and minimal maintenance. The high-quality PC material and IP67 waterproof rating ensure long-lasting performance.

- **Cleaning:** Clean the light lenses periodically with a soft cloth and mild soap to maintain optimal brightness. Avoid abrasive cleaners.
- **Inspection:** Regularly inspect wiring for any signs of wear, fraying, or corrosion. Ensure all mounting hardware remains tight.
- **Waterproof Integrity:** The IP67 rating protects against dust and water immersion up to 1 meter for 30 minutes. Avoid prolonged submersion or high-pressure water jets directly on the unit.

6. TROUBLESHOOTING

If you encounter issues with your XRIDONSEN emergency lights, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
 - Check power connections (red wire to positive, black wire to negative).
 - Ensure the power source (12V-24V) is active.
 - Inspect for any blown fuses in the vehicle's electrical system.
- **Lights Not Synchronizing:**
 - Verify that the white wires of all lights are securely connected together.
 - Ensure all lights are receiving consistent power.
- **Flash Patterns Not Changing:**
 - Confirm the yellow wire is making proper momentary contact with the black (negative) wire.
 - Check for any damage to the yellow wire.

7. SPECIFICATIONS

Attribute	Detail
Model Number	XR-890S
Brand	XRIDONSEN
Color	Red/White
Material	Polycarbonate (PC)
Light Source Type	LED
Power Source	Corded Electric
Voltage	12 Volts, 24 Volts
Included Components	8PCS 4 LED Surface Mount Emergency Lights
Waterproof Rating	IP67
Service Life	50,000 hours

8. WARRANTY AND SUPPORT

Warranty Information:

The XRIDONSEN XR-890S 8-Piece LED Emergency Grill Strobe Lights come with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, technical assistance, or warranty inquiries, please contact XRIDONSEN customer support through the retailer's platform or the official brand website. Provide your model number (XR-890S) and purchase details for efficient

service.