

Maxxima M50910

Maxxima M50910 LED Flasher Module User Manual

Model: M50910

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Maxxima M50910 LED Flasher Module. This module is designed to provide 16 selectable flash patterns for 12-volt DC LED lighting applications, enhancing visibility and safety.

SAFETY INFORMATION

- Always disconnect power before installing or servicing the module.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- This module is designed for 12 Volt DC systems only. Connecting to other voltage sources may cause damage.
- The module has a maximum current capacity of 20 Amps total (10 Amps per channel). Do not exceed this rating.
- Installation should be performed by individuals with basic knowledge of automotive electrical systems.

PACKAGE CONTENTS

- Maxxima M50910 LED Flasher Module
- Instruction Guide (this document)

SETUP AND INSTALLATION

The Maxxima M50910 LED Flasher Module is designed for straightforward installation. Refer to the wiring diagram below for proper connections.



Image 1: Maxxima M50910 LED Flasher Module showing input, output, and flash pattern wires. The module is black with red, black, and yellow input wires on one side, and two red output wires on the other. Text on the module indicates "Maxxima", "M50910 LED Flasher Module", "12 Volt DC only", and "20 Amp Max".

Wiring Instructions:

1. **Power Input:** Connect the **red input wire** to a 12V DC positive (+) power source. Connect the **black input wire** to a common ground (-) connection.
2. **Light Output:** Connect the two **red output wires** to your LED lights. Each output channel can handle up to 10 Amps. A common ground can be used for the lights.
3. **Flash Pattern Control:** Connect the **yellow wire** to a momentary switch. This switch should connect the yellow wire to a 12V positive (+) source when pressed.
4. **Mounting:** Secure the module using its integrated bracket mounts. Ensure it is placed in a location protected from excessive heat and physical damage. The module is epoxy potted for water resistance.

It is recommended to use LED lights with this module for optimal performance, as incandescent bulbs may not keep up with high-speed flash patterns.

OPERATING INSTRUCTIONS

The M50910 module offers 16 distinct flash patterns. Follow these steps to operate the module:

1. **Activate Lights:** Turn on the power to your connected lights. The module will begin flashing with the last selected pattern.
2. **Change Flash Pattern:** Briefly press and release the momentary switch connected to the yellow wire (approximately 1 second). Each press will cycle to the next available flash pattern.
3. **Solid On Function:** Some patterns may include a "solid on" mode. Cycle through the patterns to find this option if desired.
4. **Reset Patterns:** To reset the module to the first flash pattern, press and hold the momentary switch connected to the yellow wire for 10-15 seconds.
5. **Memory Function:** The module retains the last selected flash pattern even after power is removed.

MAINTENANCE

The Maxxima M50910 LED Flasher Module is designed for durability and requires minimal maintenance.

- **Cleaning:** Keep the module free from excessive dirt and debris. Use a soft, dry cloth for cleaning.
- **Inspection:** Periodically check wiring connections for corrosion or damage. Ensure the module remains securely mounted.
- **Water Resistance:** The module features an epoxy-potted design for water resistance, but it is not intended for submersion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Module not flashing / Lights not working	No power to the module; incorrect wiring; faulty lights; exceeded current limit.	Check power connections (red and black input wires). Verify all wiring is correct. Test lights directly. Ensure total current draw does not exceed 20 Amps.
Cannot change flash pattern	Momentary switch not connected or faulty; yellow wire connection issue.	Ensure the yellow wire is correctly connected to a functional momentary switch. Verify the switch provides a brief 12V positive signal when pressed.
Module stopped working after pattern change	Internal fault (rare).	If all wiring is confirmed correct and power is present, the module may be faulty. Contact Maxxima support for assistance.

SPECIFICATIONS

- **Model:** M50910
- **Voltage:** 12 Volts DC
- **Amperage:** 20 Amps Max (10 Amps per channel)
- **Flash Patterns:** 16 Selectable
- **Product Dimensions:** 3.2"L x 2.6"W x 1.1"H (8.128 cm L x 6.604 cm W x 2.794 cm H)
- **Item Weight:** 2.89 ounces (approx. 0.08 kg)
- **Material:** Plastic
- **Mounting Type:** Bracket mount
- **Origin:** Made in Taiwan

WARRANTY AND SUPPORT

The Maxxima M50910 LED Flasher Module typically comes with a one-year warranty from the date of purchase. For warranty claims, technical support, or further assistance, please contact Maxxima directly.

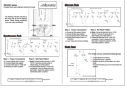
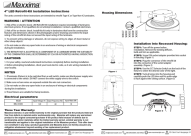
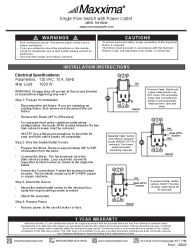
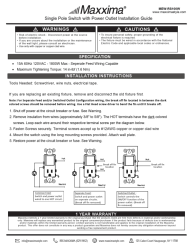
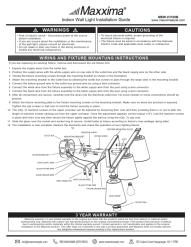
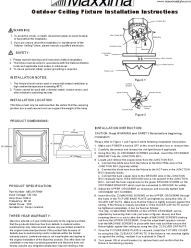
Maxxima Contact Information:

- **Address:** 125 Cabot Ct., Hauppauge, NY 11788 USA
- **Phone:** (631) 434-1200

- **Website:** Visit the [Maxxima Store on Amazon](#) (for general product information)

Please retain your proof of purchase for warranty purposes.

Related Documents - M50910

	<p>Maxxima Lighting Wiring and Installation Guide for Simultaneous Flash and Single Lamp Systems</p> <p>Detailed installation and wiring instructions for Maxxima's simultaneous flash and single lamp lighting systems, including power connection and flash pattern settings for 12/24 VDC applications.</p>
	<p>Maxxima 4" LED Retrofit Kit Installation Instructions</p> <p>Comprehensive installation guide for the Maxxima 4-inch LED Retrofit Kit (Model MRL-410205), covering safety warnings, installation steps, electrical specifications, and warranty information.</p>
	<p>Maxxima MEW-RS100W Single Pole Switch with Power Outlet Installation Guide</p> <p>Installation instructions and warranty information for the Maxxima MEW-RS100W Single Pole Switch with Power Outlet. Learn how to safely install and wire the device.</p>
	<p>Maxxima Single Pole Switch with Power Outlet Installation Guide</p> <p>Comprehensive installation guide for the Maxxima Single Pole Switch with Power Outlet (Model MEW-RS100W), including safety warnings, specifications, and wiring diagrams.</p>
	<p>Maxxima MEW-V3100B Indoor Wall Light Installation Guide & Warranty</p> <p>Comprehensive installation guide for the Maxxima MEW-V3100B indoor wall light. Includes safety warnings, wiring instructions, diagram explanation, and 3-year limited warranty details.</p>
	<p>Maxxima Outdoor Ceiling Fixture Installation Instructions</p> <p>Step-by-step installation guide for the Maxxima Outdoor Ceiling Fixture (Model MEL-9175NW), including safety warnings, product specifications, and warranty information.</p>



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[Maxxima 2016 Catalog: Comprehensive LED Lighting Solutions for Trucks and Commercial Vehicles](#)

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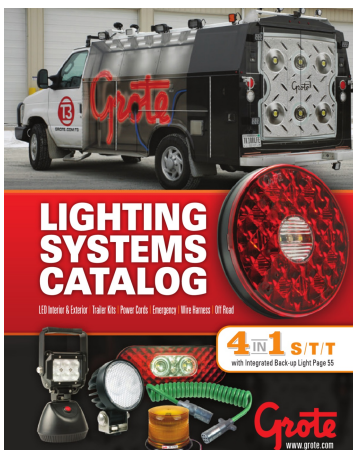


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