



## **MicroStarBar XP MB-12-XP**

### Product Information:

The MicroStarBar XP is a stand-alone, steady burn LED light bar. Each module in the bar will come with its own +12vdc power wire and common ground. This model is designed to be driven by an external flasher. Multiple units may be connected to one flasher so long as the total amperage draw of the LED modules does not exceed the rated value of the flasher.

### Wiring Instructions:

The hardwired model comes standard with approx. three feet of hook-up cable. In this cable there will be multiple wires. Total number of wires depends on length of bar. Connect the following wires (DO NOT REVERSE POLARITY. DAMAGE MAY OCCUR):

#### Section

1. Red +12vdc positive
  2. White +12vdc positive
  3. Green +12vdc positive
- X. Black -12vdc ground

### Technical Information:

Optimal operating voltage: 12 – 14 VDC

Operating current: .47 amps per four inch module

### Installation Instructions:

To install the included swivel brackets, remove the end cap screws (two on each end). Place the bracket over the end cap and re-install both screws. Do not fully tighten screws until you have the proper swivel position for your installation. To use the suction cups (interior only), install the screw stud into the suction cup and then install into the swivel bracket using brass nut.



## Limited Warranty

MicroMan Industries warrants each new product to be free from defects in material and workmanship for a time period of 2 years from the date of purchase. During this warranty period, the obligation of MicroMan Industries LLC is limited to repairing or replacing, as MicroMan Industries LLC may elect, any part or parts, which after examination by MicroMan Industries LLC are determined to be defective, when they are delivered pre-paid. This limited warranty does not cover travel expense, the cost of specialized equipment for gaining access to the product, or labor charges for the removal and re-installation of the product.

MicroMan Industries LLC shall not be liable for incidental or consequential damages, including but not limited to: Loss of Vehicle, Rental of Substitute Vehicle, Loss of Time, Loss of Work, Inconvenience, Transportation Expenses, Telephone, Lodging, Loss of Revenue, Loss of and/or Damage to Personal Life or Property for or arising out of improper use, failure of this product and/or breach of any expressed or implied warranty of its products. These products are produced and sold as a general purpose light source with no one specific area of emphasis.

Use of lamp or other electrical load of awattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection, or usage of voltage higher than specified for that product causes this limited warranty to become void. MicroMan Industries LLC will in no way be liable for any loss of profits or any indirect or consequential damages arising out of any such defect in material and workmanship whether loss is due to negligence or breach of warranty. This limited warranty does not apply to shipping damage, accident, alteration, tampering, misuse or abuse and unauthorized service.

This limited warranty is expressly in lieu of all other express or implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose, and of all other obligations or liabilities on the part of Microman Industries LLC. There are no warranties, unless expressed in writing by Microman Industries LLC, which extend beyond the description of the face hereof. No dealer, distributor, employee, or representative of the company is authorized to change this warranty in any way or to grant any other warranty.

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