



## **MicroStarBar XPF Hardwired Model**

### Product Information:

The MicroStarBar XPF comes pre-installed with a 29 pattern flasher. The flasher is pre-set to flash in the “random 11-18” pattern selection. Simply apply momentary +12vdc to the pattern wire on the MicroStarBar XPF to change the pattern selection.

### Wiring Instructions:

The hardwired model comes with approx. three feet of hook-up cable. In this cable are four wires. Connect the following wires (DO NOT REVERSE POLARITY. DAMAGE MAY OCCUR):

1. Red +12vdc switched (user supplied switch, fused with 5 amp fuse max)
2. Black -12vdc ground
3. Green Sync/Flash Pattern Control (apply momentary +12vdc, connect to other green wires)
4. White Group change (apply +12vdc to only one white wire to alternate grp. 1 & grp. 2 when sync'ing)

### **Flash Patterns**

- |                             |                                   |                                  |
|-----------------------------|-----------------------------------|----------------------------------|
| 1. Single simultaneous      | 10. Random 1-8, all simultaneous  | 20. Steady - Single              |
| 2. Double simultaneous      | 11. Single alternate              | 21. Steady - Double              |
| 3. Quad simultaneous        | 12. Double alternate              | 22. Steady - Quad                |
| 4. Octo Simultaneous        | 13. Quad alternate                | 23. Steady - Octo                |
| 5. Double - On simultaneous | 14. Octo alternate                | 24. Steady - Double - On         |
| 6. Quad - On simultaneous   | 15. Double - On alternate         | 25. Steady - Quad - On           |
| 7. Triple simultaneous      | 16. Quad - On alternate           | 26. Steady - Triple              |
| 8. 12 Flash simultaneous    | 17. Triple alternate              | 27. Steady - 12 Flash            |
| 9. Steady simultaneous      | 18. 12 Flash alternate            | 28. Random 20-27, 1 side steady  |
|                             | 19. Random 11-18, all alternating | 29. Random All 1-8, 11-18, 20-27 |

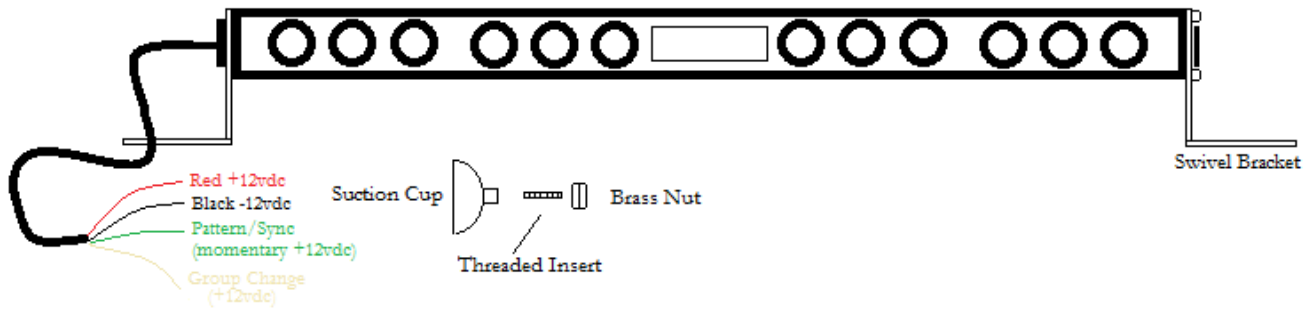
### Technical Information:

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, 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 a wattage 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.

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