

# ENFORCER®

## High-Intensity LED Strobe

SL-1311-MB4/x<sup>‡</sup>

Installation Manual



- Miniature surface-mount strobe unit includes 4 high-intensity LEDs
- Reverse polarity protection
- Can be daisy-chained and set for synchronous flashing or set as 2 alternating flashing groups
- 12 Selectable flash patterns that can be changed at any time using an N.O. switch
- Wide, extreme operating temperature range, -22°~140° F (-30°~60° C)
- IP67 Weatherproof

### Parts List

- |                          |                    |
|--------------------------|--------------------|
| 1x LED strobe            | 1x Rubber gasket   |
| 2x Mounting bolts/nuts   | 2x Mounting screws |
| 3x Crimp wire connectors | 1x Manual          |

### Specifications

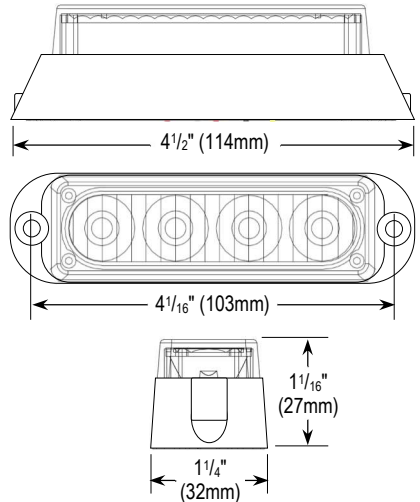
Type	Surface-mount LED Strobe
No. of LEDs	4x 1W LEDs
Operating voltage	12~24 VDC
Current draw (max.)	8W*
Flash patterns	12, Real-time selectable
Synchronization	Simultaneous or alternating
Connectors	16" (40cm) wire leads
IP Rating	IP67 Waterproof
Operating humidity	Up to 95%, non-condensing
Operating temperature	-22°~140° F (-30°~60° C)
Dimensions <sup>†</sup>	4 1/2" x 1 1/16" x 1 1/4" (114x27x32 mm)
Weight	5.1-oz (144g)

\*Actual current draw will depend on voltage, LED color, and flash pattern.

<sup>†</sup>Rubber gasket adds about 1/16" (2mm) to the height and 3/8" (10mm) to the length and width.

<sup>‡</sup>Replace "x" with the first letter of the desired lens color—clear, amber, blue, green, red, or active deterrent (AD) blue/red.

### Overview



### Installation

The LED strobes are triggered by the application of 12~24 VDC power.

1. Determine the location of the strobe and mark the location of the mounting holes and wiring hole for the strobe and any additional strobes using the rubber gasket as a template. Drill necessary holes and run wiring as needed (see *Sample Wiring Diagrams*, pg. 2).

**NOTE:** the units can be installed singly or daisy-changed. If daisy-changed, they may flash either synchronized or alternating between two groups, but all follow the same flash pattern.

2. If alternating groups are desired, each unit must be assigned to a group individually.
  - a. Connect the black wire to negative power and simultaneously connect red and yellow to positive. The number of flashes will indicate the group currently assigned: 1 flash = group 1, 2 flashes = group 2.
  - b. To change the group, cut power to the yellow wire and momentarily reapply power.

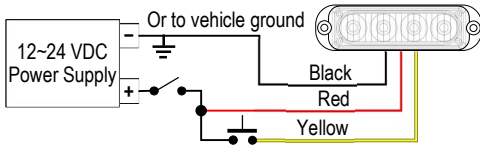
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## Installation (Continued)

3. Connect the wiring and mount using the included mount bolts and nuts or the screws and plastic anchors as needed. Use of the rubber pad is optional.
4. Program the flash patterns or set up the synchronization groups as described below.

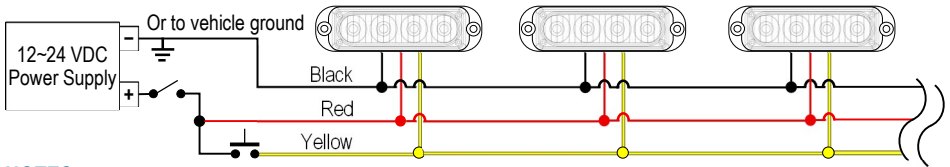
## Sample Wiring Diagrams

### Simple Wiring Diagram



- = ON/OFF Switch
- ⏏ = Momentary N.O. Switch – Synchronization and Programming Flash Patterns
- \* Without momentary N.O. switch, touch the yellow wire to positive (+) to change flash pattern.

### Daisy-Chain Master/Slave Wiring Diagram



### NOTES:

- For asynchronous use, do not connect the yellow wires except the first unit to the momentary N.O. switch.
- For synchronous use, connect the yellow wire and a momentary N.O. switch to be used for setting the flash patterns and grouping. The first unit becomes the "master," and the other units become the "slaves."

## Programming Flash Patterns

Once set up with a momentary switch on the yellow wire, press the switch to cycle through the 12 switch patterns. Pressing once will change to the next pattern.

At any time during operation, pressing this switch will change the flash pattern to the next in the sequence as shown below.

### Flash Patterns

1	Six flashes	4	Six rapid flashes	7	Two rapid flashes	10	Two flashes R/L
2	Four Flashes	5	Single flash R65	8	Four rapid flashes	11	Six flashes R/L
3	Two flashes	6	Three flashes	9	R/L Flash	12	Three rapid flashes R/L

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