ENFORCER®

SL-1311-MA/B

High Intensity 1Wx4
Blue LED Module
Manual

SLI® SECO-LARM®

Features:

- 4 High intensity 1-watt LEDs
- 23 Different programmable flash patterns
- Operating life rated 100,000 hours
- Synchronize up to 20 units
- Waterproof (IP67) and vibration-resistant
- Flexible input power (10~30 VDC)

Parts List:

High Intensity 1W LED Module............... x1
Mounting screws..................................... x2
Rubber gasket x1

Mounting flange x1
Manual.. x1

Introduction:

The ENFORCER **SL-1311-MA/B** is a High Intensity 1Wx4 LED Module strobe light that features next generation LED technology with four 1-watt LEDs in a very compact package.
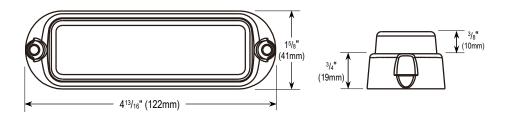
This strobe light offers 23 selectable flash patterns, potted circuitry to be waterproof (IP67) and vibration-resistant, multi-unit synchronization (simultaneous or alternating), and 10~30 VDC operating voltage, making it excellent for a wide range of security and informative applications.
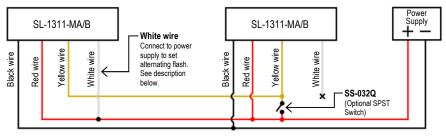
Specifications:

Housing shape	Rectangular
Number of LEDs	4 High intensity 1W LEDs
Current draw*	560mA@12VDC / 300mA@24VDC
Operating voltage	10~30 VDC
Electrical protection	Reverse polarity protected
Operating life	LEDs rated at 100,000 hours (>11 years)
Number of flash patterns	23 (programmable)
Synchronization	Simultaneous or alternating up to 20 units
IP Rating	IP67
Operating temperature	-22°~150° F (-30°~65° C)
Dimensions	$4^{13}/_{16}$"x$1^{5}/_{8}$"x$1^{1}/_{8}$" (122x41x29 mm)

*Figures shown are maximums. Current draw will vary depending on flash pattern.

Dimensions:

$1^{5}/_{8}$" (41mm)

$3/_{4}$" (19mm)

$3/_{8}$" (10mm)

$4^{13}/_{16}$" (122mm)

Wiring and Installation:

Wiring the strobe:

1. Black wire: Connect to power supply negative (-) terminal or ground.

2. Red wire: Connect to power supply positive (+) terminal 10~30 VDC.
   NOTE: It is recommended to fuse each unit @ 1A.

3. Yellow wire:
   - **Programming Flash Patterns**: Connect an optional SPST momentary switch such as ENFORCER SS-032Q to program the strobe light flash patterns. See connection diagram above, and **Flash Patterns** on page 4 for more instructions.
   - **Synchronizing Multiple Units:** Connect the yellow wires of multiple units to synchronize their flash patterns.
     NOTE: All units must be set to the same flash pattern.
   - Connect the yellow wires of additional units to synchronize up to 20 strobes.

4. White wire (optional to set alternating flash):
   - **Alternating Flash:** Strobes can synchronize in an alternating flash pattern. For example, when Strobe A flashes ON, Strobe B will flash OFF, etc. Synchronize all strobes. Connect the white wire to the power supply only for strobes that should alternate with the others.

Mounting the strobe:

1. Choose a mounting surface and drill a hole large enough to allow strobe wires to pass.

2. Feed the wires through the hole in the rubber gasket and the mounting surface.

3. Place the mounting flange over the LED module. Check that it is properly seated on the rubber gasket and that the gasket and mounting surface form a seal to maximize weather resistance.

4. Align the holes in the gasket and flange and use the self-tapping screws to secure unit in place.

Mounting Accessories: (not included)
SL-1311SM: Replacement plastic mounting flange for **SL-1311-MA/B**.

Flash Patterns:

1. LEDs are grouped into two sets, Set 1 and Set 2.

   The left pair of LEDs are Set 1; right pair of LEDs are Set 2.

2. To change patterns, momentarily connect the strobe's yellow wire to +VDC:

   Each connection to power will move to the next pattern.

   Hint: Use a programming switch (not included)—see **Wiring and Installation** on page 3.

1. After changing, the flash pattern will first run one time, pause, then begin repeating.

2. Internal memory will retain last setting when power is disconnected.

Pattern #	Flash pattern	Pattern #	Flash pattern
1	Single (2Hz)	4	Quad (2Hz)
2	Double (2Hz)	5	Randomly cycles all patterns
3	Triple (2Hz)		

Alternates between Set 1 LEDs and Set 2 LEDs

6	Single flash each set	10	Rapid flash with fast alternation
7	Double flash each set	11	Ultra rapid flash with slow alternation
8	4x flash each set	12	Pattern 6 / Pattern 8
9	5x flash each set	13	Pattern 6 / Pattern 10

All LEDs light together

14	Single flash	18	Rapid flash
15	Double flash	19	Bursts of ultra rapid flash
16	4x flash	20	Pattern 14 / Pattern 16
17	5x flash	21	Pattern 14 / Pattern 18

Other

22	Set 1 steady ON; Set 2 double flash	23	All LEDs steady ON

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