ENFORCER®

Manual

SL-1311-MA

High Intensity 1Wx4 LED Module

SL-1302-MA

52 LED Disk Module
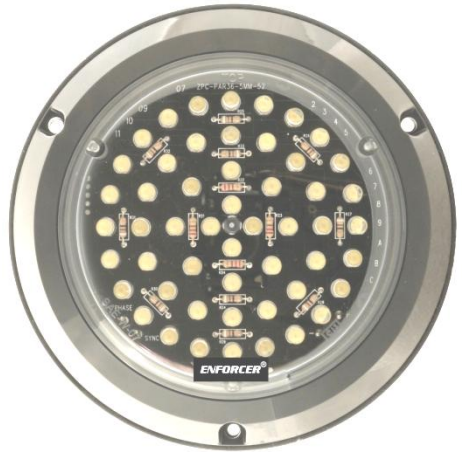
Model	Model	LED Color
SL-1311-MA/**C**	SL-1302-MA/**C**	Clear
SL-1311-MA/**R**	SL-1302-MA/**R**	Red
SL-1311-MA/**B**	SL-1302-MA/**B**	Blue
SL-1311-MA/**A**	SL-1302-MA/**A**	Amber

SLI® SECO-LARM®

Note: Model numbers that end with "Q" or that have a round green "Q" sticker signify RoHS-compliant products.

Features:

- 4 High intensity 1W LEDs. **(SL-1311-MA)**
- 52 High intensity LEDs. **(SL-1302-MA)**
- 19 Different programmable flash patterns.
- Operating life rated 100,000 hours.

- 4 LED colors available.
- Synchronize up to 15 units.
- Weather (IP 66) and vibration resistant.
- Flexible input power (10~30 VDC).

Parts List:

SL-1311-MA

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

SL-1302-MA

52 LED Disk Module x1
Mounting Screws.................................... x3
Rubber gasket.. x1
Mounting flange...................................... x1
Manual x1

Introduction:

The ENFORCER **SL-1311-MA** series of High Intensity 1Wx4 LED Module strobe lights features next generation LED technology with four 1 watt LEDs in a very compact package.

The ENFORCER **SL-1302-MA** series of 52 LED Disk Module strobe lights features 52 LEDs in a compact circular housing providing excellent illumination in a low profile package.

These strobe lights all offer 19 selectable flash patterns, potted weather (IP 66) and vibration resistant circuitry, multi-unit synchronization (sync or alternate) and 10~30 VDC operating voltage, making them excellent for a wide range of security and informative applications.
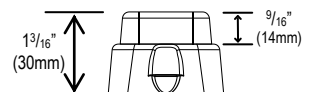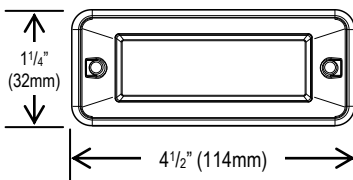
Specifications:

	SL-1311-MA	SL-1302-MA
Housing shape	Rectangular	Circular
# of LEDs	4 High intensity 1W LEDs	52 High intensity LEDs
Current draw*	560mA@12VDC 300mA@24VDC	640mA@12VDC 320mA@24VDC
Operating voltage	10~30 VDC	
Electrical protection	Reverse polarity protected	
Operating life	LEDs rated at 100,000 hours (>11 years)	
# of flash patterns	19 (programmable)	
Synchronization	Sync or Alternate up to 15 units	
IP Rating	IP 66	
Operating temperature	-22°~150° F (-30°~65° C)	
Dimensions	$4^1/_2$"x$1^1/4_8$"x$1^3/_{16}$" (122x41x30 mm)	$4^1/_4$"x$1^1/_4$" (109x31 mm)

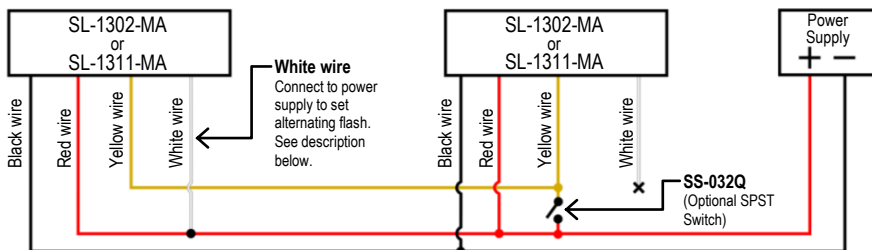*Figures shown are max. Current draw will vary depending on flash pattern.

Dimensions:

SL-1311-MA

$1^1/_4$" (32mm)

$4^1/_2$" (114mm)

$1^3/_{16}$" (30mm)

$9/_{16}$" (14mm)

SL-1302-MA

1¼"
(31mm)

4¼" (109mm)

Wiring and Installation:

White wire
Connect to power supply to set alternating flash. See description below.

SL-1302-MA
or
SL-1311-MA

SL-1302-MA
or
SL-1311-MA

Power Supply
+ –

Black wire
Red wire
Yellow wire
White wire

Black wire
Red wire
Yellow wire
White wire

SS-032Q
(Optional SPST Switch)
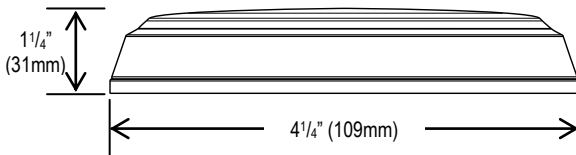
Wiring the strobe:

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 the section **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 15 strobes.
4. White wire (optionally connect 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. *SL-1311-MA*: Feed the wires through the hole in the rubber gasket and the mounting surface.
   SL-1302-MA: Feed the wires through the hole and place the rubber gasket around the LED.
3. Place the mounting flange over the LED module. Check it is properly seated on the rubber gasket and that gasket and mounting surface 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-1302FM: Rubber flush mount grommet for **SL-1302-MA**.
SL-1302SM: Replacement plastic mounting flange for **SL-1302-MA**.
SL-1311SM: Replacement plastic mounting flange for **SL-1311-MA**.

Flash Patterns:

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

   SL-1311-MA: Left pair of LEDs are Set 1; right pair of LEDs are Set 2.

   SL-1302-MA: Outer two rings of LEDs are Set 1; inner two rings of LEDs are Set 2.

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

   a. Once, to move to the next pattern.

   b. Three times in rapid succession to reset to Pattern 1.

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

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

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

Pattern #	Flash pattern	Pattern #	Flash pattern
1	Randomly cycles all patterns		
Alternates between Set 1 LEDs and Set 2 LEDs			
2	Single flash each set	6	Rapid flash with fast alternation
3	Double flash each set	7	Ultra rapid flash with slow alternation
4	4x flash each set	8	Pattern 2 / Pattern 4
5	5x flash each set	9	Pattern 2 / Pattern 6
All LEDs light together			
10	Single flash	14	Rapid flash
11	Double flash	15	Bursts of ultra rapid flash
12	4x flash	16	Pattern 10 / Pattern 12
13	5x flash	17	Pattern 10 / Pattern 14
Other			
18	Set 1 steady ON; Set 2 double flash	19	All LEDs steady ON