

**ENFORCER®**  
ENFORCER SL-3301-BAQ Multi  
Color LED Strobe Light



# ENFORCER SL-3301-BAQ Multi Color LED Strobe Light Instruction Manual

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**ENFORCER®**

**ENFORCER SL-3301-BAQ Multi Color LED Strobe Light**



## Specifications

- Vertical LED strips
- Total number of LEDs
- Possible colors
- Operating voltage: 9VDC
- Maximum current draw (RMS): 12VDC, 24VDC, 9VAC, 12VAC, 24VAC
- Flashing speed: Maximum setting, Minimum setting
- LED Operating life
- Electrical protection
- IP rating (when properly installed)
- Material: Base Lens
- Operating temperature

## Product Information

### Parts List

- 1x Strobe light and lens
- 2x Mounting screws with O rings
- 1x Manual

### Dimensions

- **Top View:** 3 15/16" x 3 1/8" (100mm x 79mm)
- **Side View:** 2 9/16" (54mm)
- **Bottom View:** 2 13/16" x 7/8" (71mm x 22mm)
- **Mounting holes:** 12" (305mm)

## Product Usage Instructions

### Overview

The Multi-Color LED Strobe Light features vertical LED strips,] allowing for various color combinations and effects. It includes trigger wires, DIP switches for power mode, and a strobe speed control.

### Installation

1. Read the manual thoroughly before starting installation.
2. Choose the strobe mode and connect to a 12-24 VDC power supply for experimentation.
3. Disconnect power before adjusting DIP switches or jumpers.
4. In Power-On Mode, use the power leads and a single trigger for different strobe color options.

## FAQ

### Q: Can I use multiple trigger wires for different colors?

A: Yes, you can connect multiple trigger wires to achieve different color combinations and effects as per your preference.

## Product Information

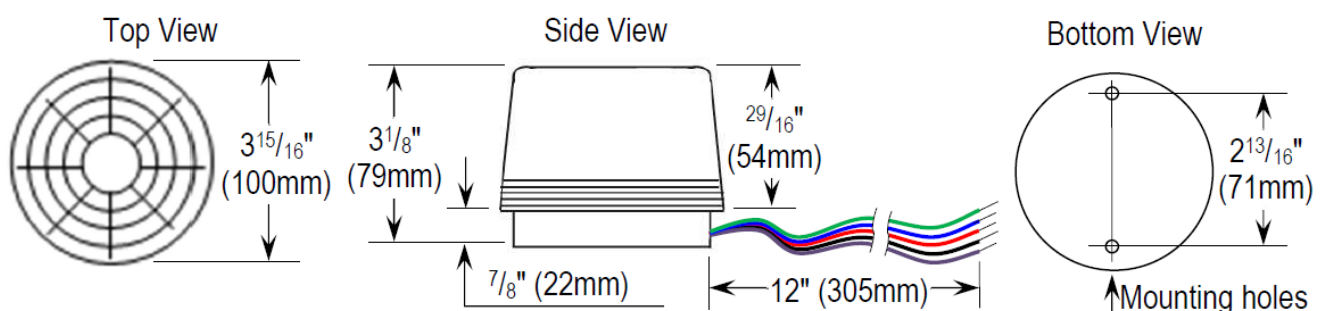
The ENFORCER Multi-Color LED Strobe Light provides all the functions of a regular strobe light, but with more versatility. The light can change between seven different colors set manually via DIP switches or triggered by an external device via 3 trigger input wires. There are 5 vertical LED strips, making the light more visible from various directions, and a variable resistor to adjust flashing speed. The strobe's LEDs have an operating life of 50,000 hours — over 160 times that of a regular strobe light. No more bulbs to replace!

- 7 Colors possible – Red, green, blue, cyan, magenta, yellow, and white
- LED Operating life of over 50,000 hours (over 5.7 years)
- Simple 2-wire installation with reverse polarity protection
- Set color via DIP switches, or trigger colors with an external device via 3 trigger input wires
- Utilizes high-intensity LEDs
- 5 Vertical LED strips (25 LEDs total) increase visibility from various directions
- Adjustable strobe speed, 60~260 times/min
- High-impact resistant case and high-impact, heat-resistant lens
- IP66 Weatherproof when properly installed

## Parts List

- 1x Strobe light and lens
- 2x Mounting screws with “O” rings
- 1x Manual

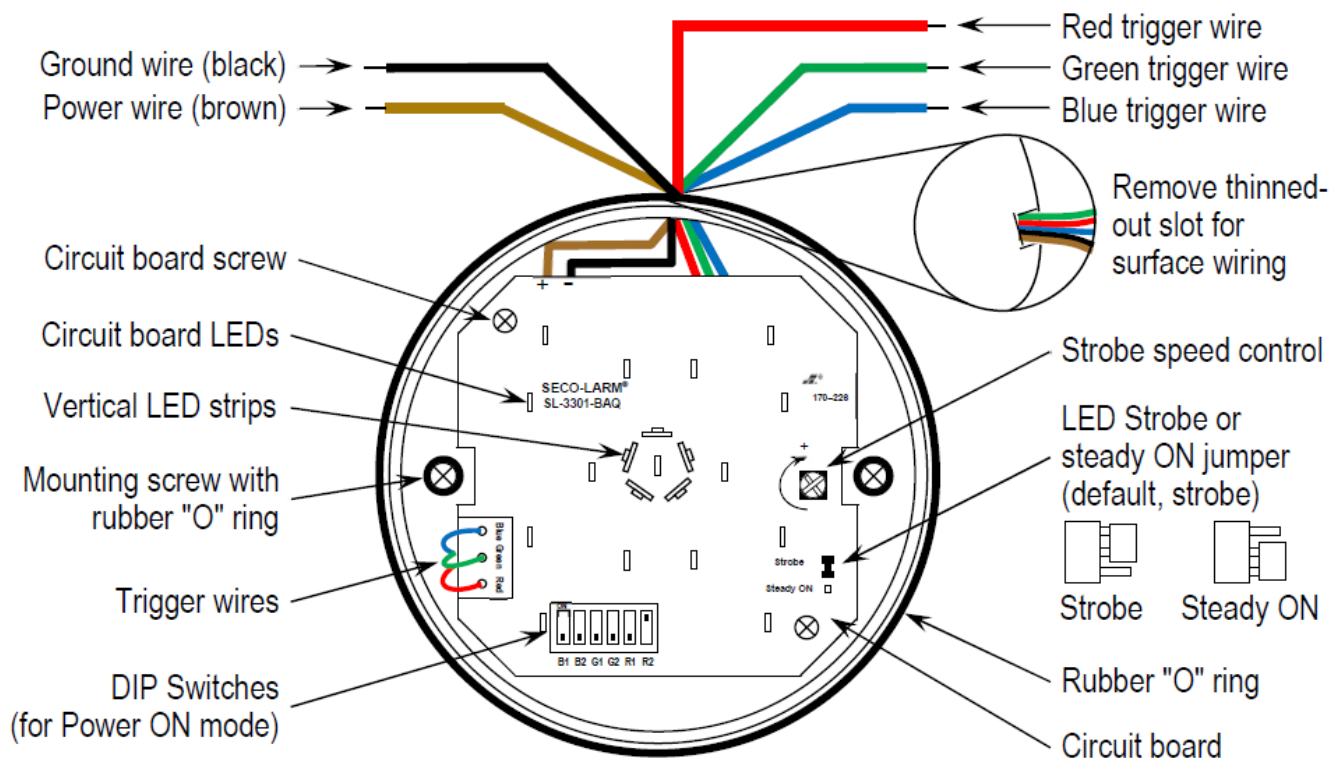
## Dimensions



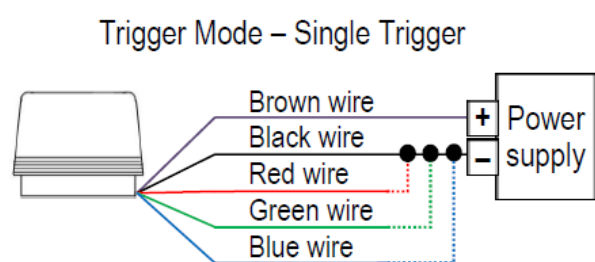
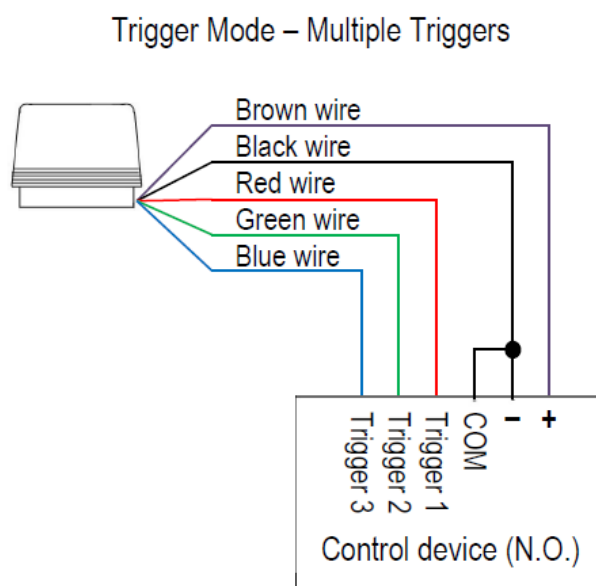
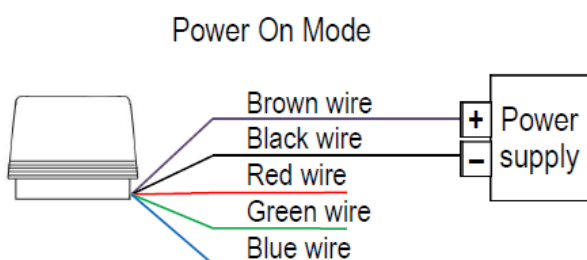
## Specifications

<b>Vertical LED strips</b>		5
<b>Total number of LEDs</b>		25
<b>Possible colors</b>		Red, green, blue, cyan, magenta, yellow, white
<b>Operating voltage</b>		9~24 VAC/VDC
<b>Maximum current draw (RMS)</b>	<b>9VDC</b>	400mA
	<b>12VDC</b>	270mA
	<b>24VDC</b>	160mA
	<b>9VAC</b>	570mA
	<b>12VAC</b>	420mA
	<b>24VAC</b>	320mA
<b>Flashing speed</b>	<b>Maximum setting</b>	260 times/min
	<b>Minimum setting</b>	80 times/min
<b>LED Operating life</b>		Over 50,000 hours (over 5.7 years)
<b>Electrical protection</b>		Reverse polarity protected
<b>IP rating (when properly installed)</b>		IP66 Weatherproof
<b>Material</b>	<b>Base</b>	High-impact resistant black ABS
	<b>Lens</b>	High-impact heat-resistant acrylic
<b>Operating temperature</b>		-4°~144° F (-20°~65° C)
<b>Dimensions</b>		ø315/16"x31/8" (ø100×79 mm)

## Overview



## Sample Wiring Diagrams



Connect one or more color wires depending on color choice (see *Configuring the LED Color and Strobe*, pg. 6)

## Installation

Before starting installation, please read the entire manual carefully and save for future reference.

Decide on the mode for the strobe. Because there are so many combinations, you may want to connect to a 12~24 VDC power supply and experiment to get the effect you desire.

NOTE: Disconnect power before changing DIP switches/jumpers to avoid damage to the device.

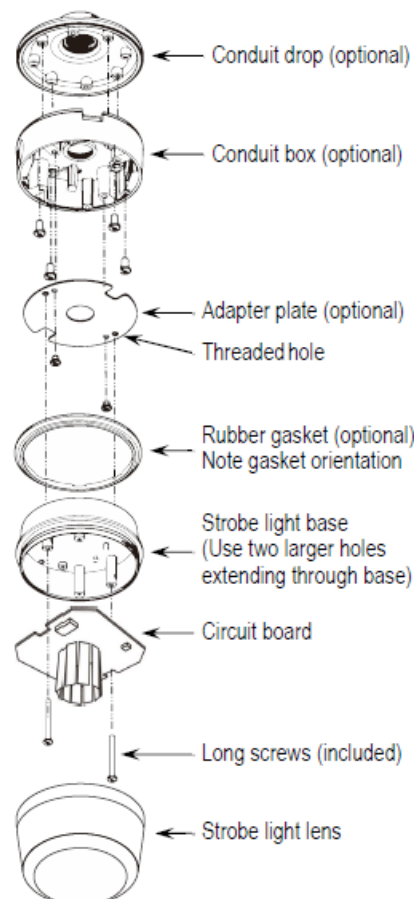
In Power-On Mode, only the two power leads are used with a single trigger. The strobe lights in a single color,

either flashing or steady on; a single color, steady on; or alternating colors flashing.

Trigger Mode allows up to three triggers so different colors can indicate different situations. It also allows various color combinations and either flashing or steady on.

1. Unscrew the strobe light lens and set aside.
2. For direct mounting to a flat surface:
  - Determine the location and, using the base as a template, mark the holes for mounting and wiring. Drill two 1/16" (2.3mm) mounting holes.
  - Drill a wiring hole if wires will be concealed, ensuring that the wiring hole is sufficiently large for the wires and their connectors to easily fit through without dislodging the connections. For surface wiring, remove the thinned-out slot with a pair of pliers (see Overview, pg. 4). Skip to step 4.
3. For mounting to a conduit box/drop (see Fig. 1).
  - Thread the wires through the adapter plate, gasket, and strobe base.
4. Mount the plate to the conduit box/drop with the short screws included with the conduit box/drop.
5. Connect wires based on your chosen mode and colors.
6. Mount the strobe base using the included long screws with rubber "O" rings, taking care not to crimp the wires. If screws are fastened too tightly, the "O" rings will be damaged.  
NOTE: For more weather resistant installation, apply a bead of silicone sealant around the base before mounting.
7. Depending on your mode and color choices, set the DIP switches and/or the strobe jumper (see Configuring the LED Color and Strobe, pg. 6 for details).
8. Adjust the speed using the strobe speed control (see Overview, pg. 4, turn clockwise to increase, counterclockwise to decrease).

Fig. 1



## Configuring the LED Color and Strobe

### Power On Mode

For Power On Mode, connect only the brown and black wires and use the DIP switches (see Fig. 2, and note that at least one must be ON) and jumper settings below (also see Overview, pg. 4). Do not confuse the Strobe/Steady ON jumper and the Strobe/Steady ON DIP switches.

If the Strobe Jumper is set – the DIP switches only control the color and that color will flash on/off.

If the Steady ON Jumper is set – see various combinations as below and in Fig. 3:

1. One or more DIP switches set to Strobe and none to Steady ON – that color flashes on/off (e.g., G2+B2 ON = flashing cyan).
2. One or more DIP switches set to Steady ON and none to Strobe – that color is steady on (e.g., B1 ON = steady blue).
3. A combination of Strobe and Steady ON DIP switches are set – the color of the Steady ON switch(es) will remain on and the color of the Strobe switch(es) will flash on/off but the flashing color will be a combination of all the switches (e.g., B1+G2 = flashing between blue and cyan). However, when more than 2 switches are steady on, even the steady color may be the composite color.

Fig. 2

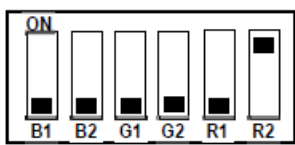
					
ON	Result				
R2	Red Strobe (default)				
R1	Red Steady ON				
G2	Green Strobe				
G1	Green Steady ON				
B2	Blue Strobe				
B1	Blue Steady ON				

Fig. 3

Color Combinations	Result
Red + green	Yellow
Blue + red	Magenta
Green + blue	Cyan
Red + blue + green	White

### Trigger Mode

- In Trigger Mode, one or more colored wires are used in addition to the black and brown wires and the color of the wire determines the color in the same way that the DIP switches do to produce a pure color or a composite

color (see Fig. 3).

- Different color wires can be connected to different triggers to use color to indicate what has triggered the strobe. In this case, two colors can combine on one trigger to, for example, signal yellow (red/green wires), with the third wire (blue in this example) indicating the second trigger.
- In this mode, all DIP switches would normally be off. When one or more colored wires is triggered, the light either flashes or stays on based on the Strobe/Steady ON jumper.
- If one or more of the DIP switches is set to on, the strobe would always be on and would follow the setting of the DIP switch and jumper as in the Power On Mode above, but when triggered the color would change or the flash would alternate colors. Possible permutations are too numerous to list here so you should experiment to see what may be possible.

## Troubleshooting

- The strobe light does not turn on
  - Check the power source and that the connections are correct
  - Check to see if the source has been triggered
- The LED strobe light does not flash correctly
  - Disconnect power, configure correct flash pattern, and reconnect power

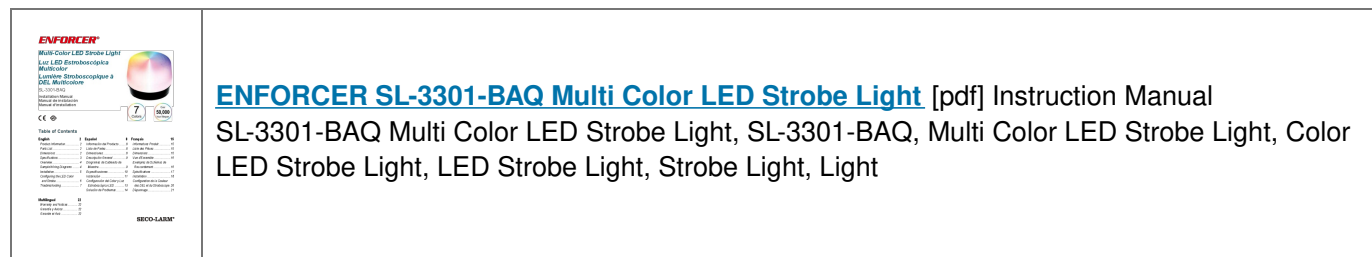
## Warranty and Notices

- **IMPORTANT:** Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.  
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## Documents / Resources



## References

- [User Manual](#)

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