GEOSERIES
LIGHT STICKS

G-1418, G-1618, G-1818, G-1918
INSTRUCTION MANUAL

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Feniex™
V3.0

SAFETY REGULATIONS & WARRANTY

Feniex™
V3.0

Safety Regulations

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics and procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag and can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.
- The product's ground wire must be connected directly to the Negative (-) battery post for effective use of the unit. Please follow all wiring guidelines provided to guarantee long lifespan and productivity. Failing to follow these instructions may result in damage to the product.

Warranty

Feniex Industries, Inc. warrants to the original purchaser that the product shall be free from defects in material & workmanship for 5 years from the date of purchase for all LED products. Feniex Industries warranties speakers, sirens, flashers, & controllers for 2 years.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the web site at www.Feniex.com. If the product needs to be returned for repair or replacement, call our customer support line to receive a return merchandise authorization number.

Operational times are from 10 a.m. to 5 p.m. central time, Monday through Friday. Please do not send in product without contacting support first for a RMA number.

Service After Expiration

Feniex Industries will still provide service for all products after expiration of the warranty. For any issues, call the customer support line. In some instances it may be necessary for the product to be shipped, freight prepaid and insured for loss or damage to Feniex headquarters.

Warning! Utilizing non-factory screws and mounting brackets may result in loss of warranty coverage.
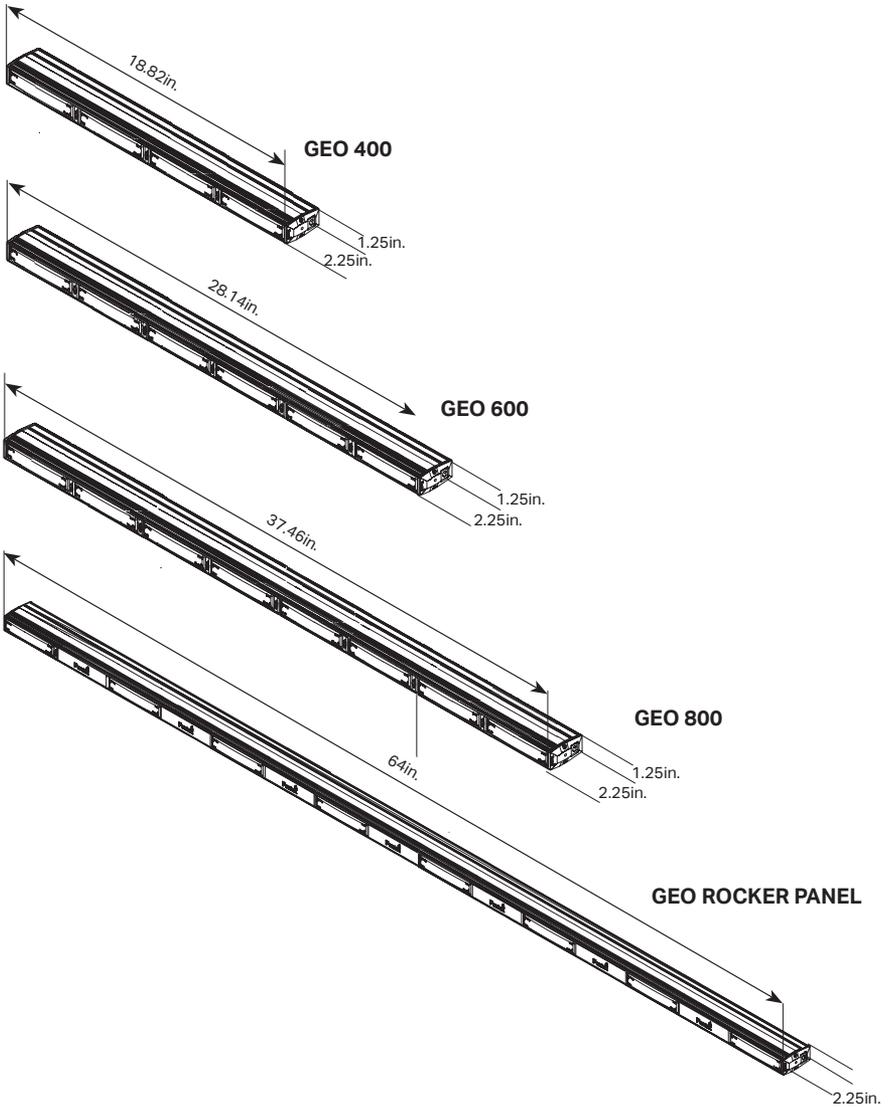
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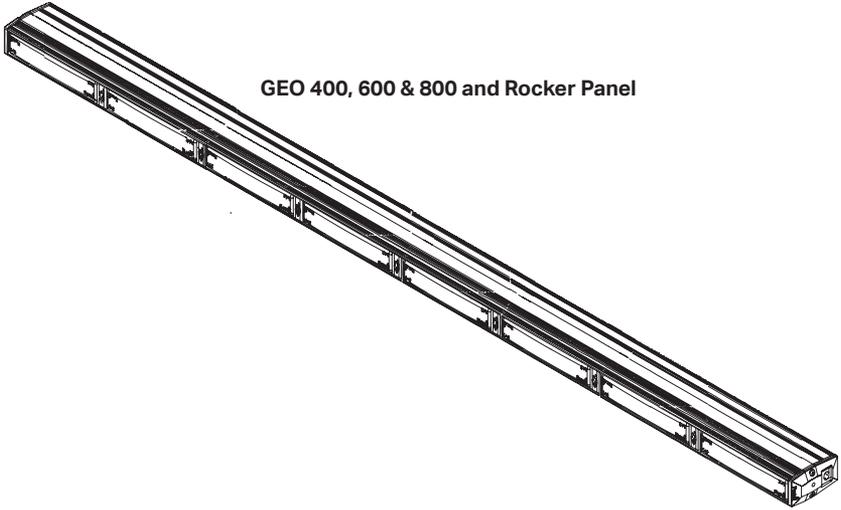
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EQUIPMENT DIMENSIONS

Feniex™
V3.0

18.82in.

GEO 400

1.25in.
2.25in.

28.14in.

GEO 600

1.25in.
2.25in.

37.46in.

GEO 800

1.25in.
2.25in.

64in.

GEO ROCKER PANEL

2.25in.

1.25in.

400, 600, 800 & ROCKER PANEL WIRING DIAGRAM

GEO 400, 600 & 800 and Rocker Panel

GEO 400, 600, 800 and Rocker Panel Wiring Diagram

Wire Color:	Single Color:
■ Black	12V (-)
■ Red	12V (+)
☐ White	Takedown*
■ Yellow	Pattern Change 12V (+)
■ Green	Takedown Flashing*
■ Blue	Left Arrow
■ Brown	Mode One
☐ Gray	Right Arrow
■ Blue+Gray	Center Out

Please Note! These modes only function when the unit has takedowns in the assembly.

GEO 400, 600, 800 & ROCKER PANEL WIRING INSTRUCTIONS

Step 1: In order to power the unit, extend the red, 12V(+) wire to the 12V(+) post of the vehicle's battery. Extend the black 12V(-) wire to the ground post of the vehicle's battery.

Step 2: To turn the lightstick on, connect the brown wire to a 12V(+) source.

Step 3: Momentarily connect the yellow wire on a 12V(+) source to change flash patterns.

Step 4: For left arrow function, connect the blue wire to a 12V(+) post (switch). There are 8 different left arrow flash patterns. To select a pattern, engage the blue wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Important Note! Takedown steady overrides takedown flashing

Step 5: For right arrow function, connect the gray wire to a 12V(+) post (switch). There are 8 different right arrow flash patterns. To select a pattern, engage the gray wire a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 6: In order to achieve a center out directional pattern, connect both the gray and blue wires to a 12V(+) post (switch). There are 8 different center out flash patterns. To select a pattern, engage the blue and gray wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 7: For takedown steady functionality, connect the white wire to a 12V(+) post (switch).

Step 8: For takedown flashing, connect the green wire to a 12V+ (post).

FLASH PATTERNS

The flash patterns are listed in consecutive order of appearance. To select a certain flash pattern, start with a recognizable pattern and use the blue wire to cycle through patterns.

Flash Patterns Single Color:
GEO 400, 600, 800 & Rocker Panel

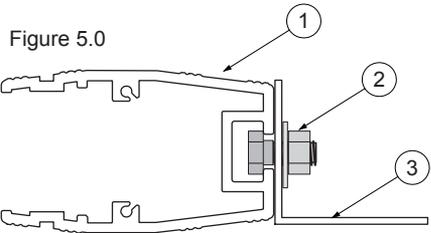|	
1.	Cluster
2.	Attack
3.	Night Ride
4.	Combo Slow-Fast
5.	Combo Slow
6.	Combo Fast
7.	Half Half Slow
8.	Half Half Fast
9.	One One Slow
10.	One One Fast
11.	Two Two Slow
12.	Two Two Fast
13.	All On Slow
14.	All On Fast
15.	In Out Slow
16.	In Out Fast
	+ Directional Patterns

MOUNTING

Step 1: To mount to bracketry, remove the flat endcap and slide in provided bolts in the back of the frame. Screw the flat endcap back into the aluminum extrusion with the original screws and attach bolts and nuts with the brackets.

Step 2: Mark the areas where the mounting holes will be drilled. If mounting surface is part of the vehicle, make sure no vital components could be damaged by the drilling process.

Step 3: Drill two mounting holes in the marked surface. If wires need to pass through vehicle, drill a 0.5" diameter hole for wire passage. Make sure to deburr holes thoroughly.

Step 4: Pass the wires through the 0.5" diameter hole, and secure the lighthead to the mounting surface with the provided hardware.

Figure 5.0

Item #:	Description:
1.	Extrusion
2.	Mounting Hardware
3.	Mounting Bracket (Sold separately)