GEOSERIES
MINI LIGHTBAR

G-3018
INSTRUCTION MANUAL

MADE IN THE USA

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5&10 DAY LEAD TIMES

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SAFETY REGULATIONS & WARRANTY

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 & 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 & 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 & 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 warranty service is needed, please contact customer support:

Phone: 1.800.615.8350
Web Site: www.Feniex.com/support
Email: techsupport@feniex.com

If the product needs to be returned for repair or replacement, contact our customer service team (using any method listed above) to receive a Return Merchandise Authorization (RMA) number. Operational times are from 9 a.m. to 6 p.m. central time, Monday through Friday.

Please do not send in product without contacting support first for a Return Merchandise Authorization (RMA) number.

CONDITIONS

Feniex Industries, Inc. will not be held responsible for any costs associated with equipment removal and/or re-installation resulting from a warranty claim. It is the sole responsibility of the party initiating a warranty claim to pay shipping charges associated with returning a product to Feniex Industries for repair or replacement.

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.

Utilizing non-factory screws and mounting brackets may result in the loss of warranty coverage.

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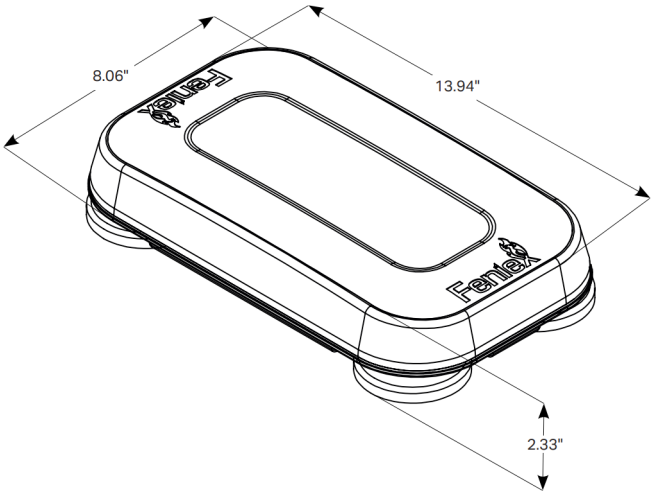
BOX CONTENTS, DIMENSIONS, SPECIFICATIONS

BOX CONTENTS

COMPONENTS	QUANTITY
Fusion Mini Lightbar	1

1) Cluster Pattern	Single Color Modes
2) Attack Pattern	Single Color Modes
3) Night Ride Pattern	Single Color Modes
4) Half-Half [Slow	Single Color Modes
5) Half-Half [Fast]	Single Color Modes
6) One-One [Slow]	Single Color Modes
7) One-One [Fast]	Single Color Modes
8) Two-Two [Slow]	Single Color Modes
9) Two -Two [Fast]	Single Color Modes
10) All-On [Slow]	Single Color Modes
11) All-On [Fast]	Single Color Modes
12) In-Out [Slow	Single Color Modes
13) In-Out [Fast]	Single Color Modes
14) Combo: All Slow	Single Color Modes
15) Combo: All Fast	Single Color Modes
16) Combo: Fast & Slow	Single Color Modes

DIMENSIONS



SYSTEM SPECIFICATIONS

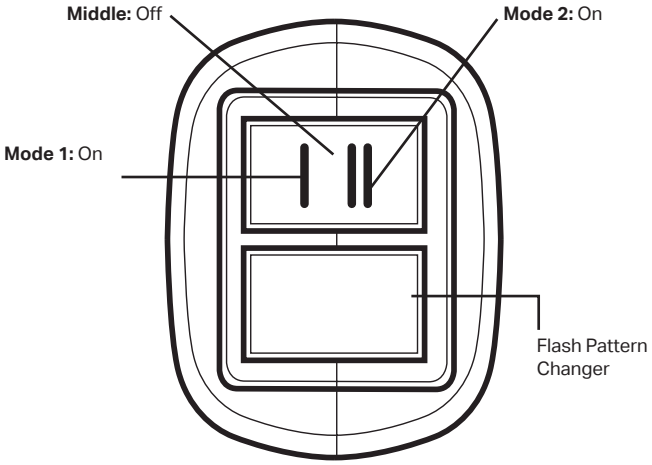
Input Voltage	12 Volts DC
Current Draw	5 Amps
External Fuse	125% of Circuit Load
Color	Amber, Red, Blue, White, Green
Cable	10ft Cable w/Cigarette Plug
SAE Certification	J595, CT13, SAE J1113-11
Flash Patterns	16 (Color 1, Color 2, & Dual Color)
Dimensions	2.33" H x 13.94" L x 8.06" W
Warranty	5 Years

WIRING DIAGRAM & CONFIGURATION INSTRUCTIONS

CIGARETTE PLUG WIRING DIAGRAM

WIRE COLOR	FUNCTION	POLARITY	CONNECTION
Red	Positive	12v (+)	Positive Terminal
Black	Ground	12v (-)	Ground Terminal
Yellow	Mode 2	12v (+)	Latching Switch
Green	Mode 1	12v (+)	Latching Switch
Blue	Pattern	12v (+)	Momentary Switch

CIGARETTE LIGHTER PLUG DIAGRAM



HARD-WIRE WIRING DIAGRAM

WIRE COLOR	FUNCTION	POLARITY	CONNECTION
Red	Positive	12v (+)	Positive Terminal
Black	Ground	12v (-)	Ground Terminal
White	Flood	12v (+)	Latching Switch
Yellow	Pattern	12v (+)	Momentary Switch
Green	Mode 2	12v (+)	Latching Switch
Blue	Cruise Mode	12v (+)	Latching Switch
Gray	Dim Mode	12v (+)	Latching Switch
Brown	Mode 1	12v (+)	Latching Switch

POWER

To power the unit, extend the red wire to a 12v (+) post. Extend the black wire to the ground post.

WARNING MODE

For models with the cigarette lighter adapter, activate the unit using the 3-way switch to activate modes 1 & 2.

For hard-wire models, activate the unit by extending the brown & green wires to 12v (+) latching switches.

FLASH PATTERNS

For models with the cigarette lighter adapter, advance the pattern by pushing the momentary switch for 1 second.

For hard-wire models, advance the pattern by extending the yellow wire to a 12v (+) momentary switch or tap the yellow wire to a 12v (+) terminal for 1 second.

Mode 2 overrides mode 1 if both wires are activated.

TAKEDOWN & FLOOD MODE

Activate the factory configured takedown function by extending the white wire to a 12v (+) latching switch. For dual color models, the flood mode will be activated instead of the takedown function.

Takedown functionality must be specified at time of order. Modules in takedown positions will only function as takedown or flashing takedown, no warning patterns will be displayed.

TAKEDOWN FLASHING

Activate the factory configured takedown flashing function by extending the green wire to a 12v (+) latching switch. For dual color models, warning mode 2 will be activated instead of the flashing takedown function.

CRUISE MODE

For hard-wire models, activate Cruise Mode by extending the blue wire to a 12v (+) latching switch.

Cruise Mode is only available on hard-wire models. On single color models, Cruise will remain active beneath warning patterns, but will be overriden by dual color warning modes.

DIM MODE

For hard-wire models, activate Dim Mode by extending the gray wire to a 12v (+) latching switch.

Dim Mode is only available on hard-wire models. This mode will dim all modes except for Takedown functions & Flood Mode.

MOUNTING INSTRUCTIONS

Installing the permanent brackets will involve drilling holes.

The permanent mount bracket is adjustable and can be moved in or out.

PERMANENT MOUNT INSTRUCTIONS

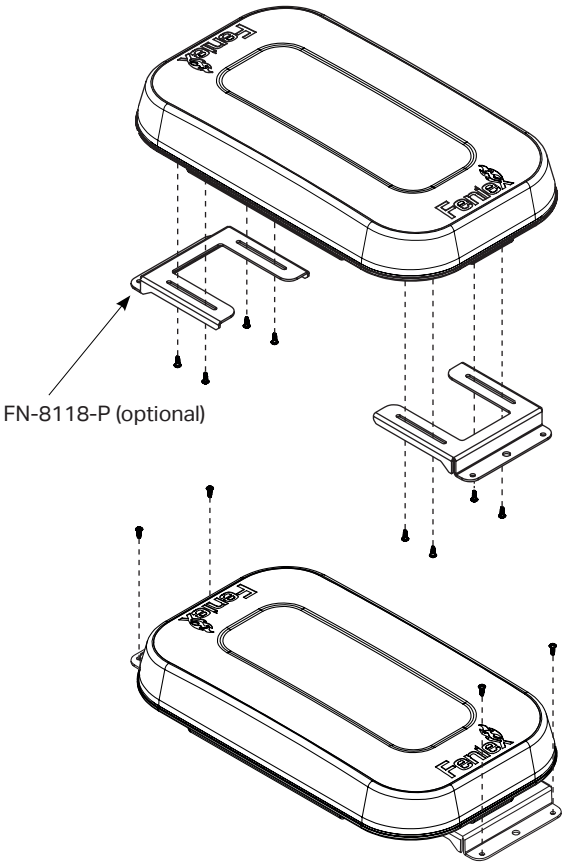
1) Place the permanent bracket on the platform and mark the first hole for drilling.

2) Drill the marked hole.

3) Attach the permanent bracket to the platform with a self-tapping screw (user provided).

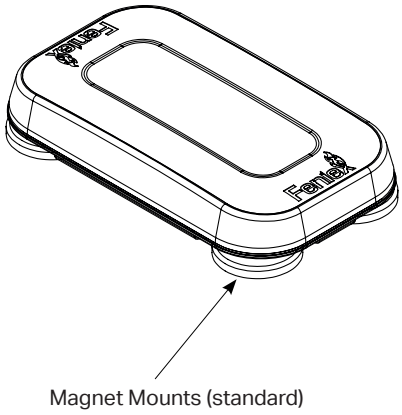
4) Mark the second hole for drilling on the opposite corner of the bracket. Secure the bracket using a self-tapping screw on the drilled hole.

5) Mark and drill the remaining 2 holes and secure the bracket with self-tapping screws.



Magnetic mounts are not meant to be used at highway speeds. It is recommended not to exceed 35MPH with magnet mounts.

MAGNET MOUNT INSTRUCTIONS

1) Place Fusion Mini Lightbar magnets on a flat surface, or between ridges in the roofline to ensure a secure magnetic connection.

2) Route the cable carefully through the door. Be sure the cable isn't tightly pinched and that it doesn't interfere with the door latching securely.