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FUSION®A

FUSION AMBER
44" LIGHTBAR
FS-4418-A

MADE IN THE USA

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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 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. warranties to the original purchaser that all our products shall be free from defects in material and workmanship. Feniex Industries' speakers, sirens, rocker panels, AM600 Beacons, Torch Lights, AI lightbars, AI Cubes, AM900 Work Lights, 8.5" Dome Lights, flashlights, Remote Spot Lights and controllers are warrantied for 2 years from the manufacturing date. In addition, all other products are warrantied for 5 years from the manufacturing date.

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.*

Copyright

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Feniex Product Copyrights

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EQUIPMENT DIMENSIONS

12.13"

44.5"

1.75"

3.65"
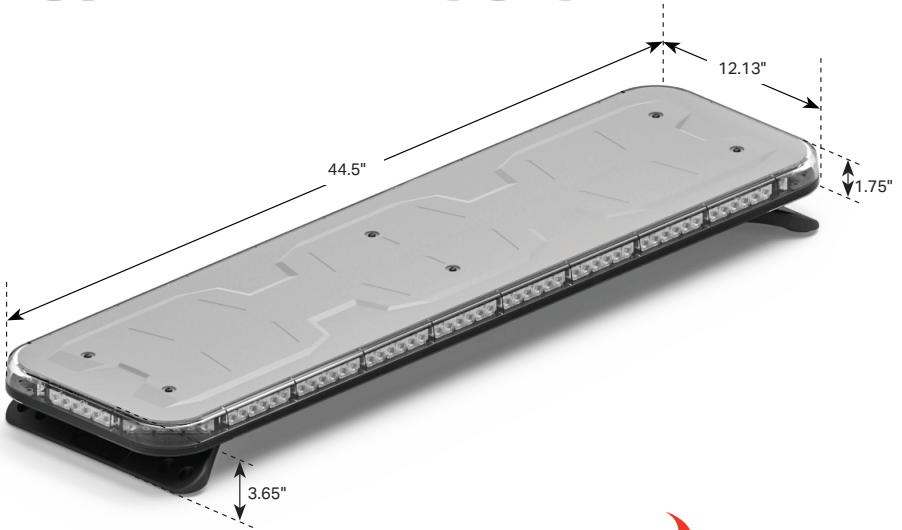
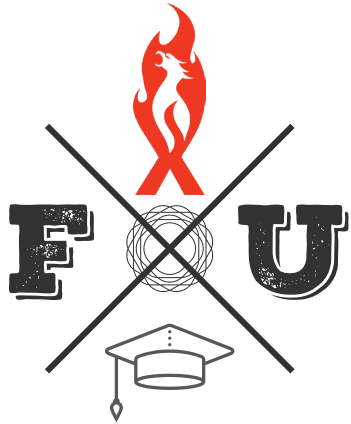## Feniex University

Before installing the Fusion Amber Lightbar, watch our instructional video series, Feniex University. Get an in-depth look at the Fusion Amber Lightbar, Quad Converter and much more.

Use the link below:
feniexuniversity.com

◢ WIRING DIAGRAM

Wire:	Function:
Green	Data Wire A
White	Data Wire B

2A Fuse

20A Fuse
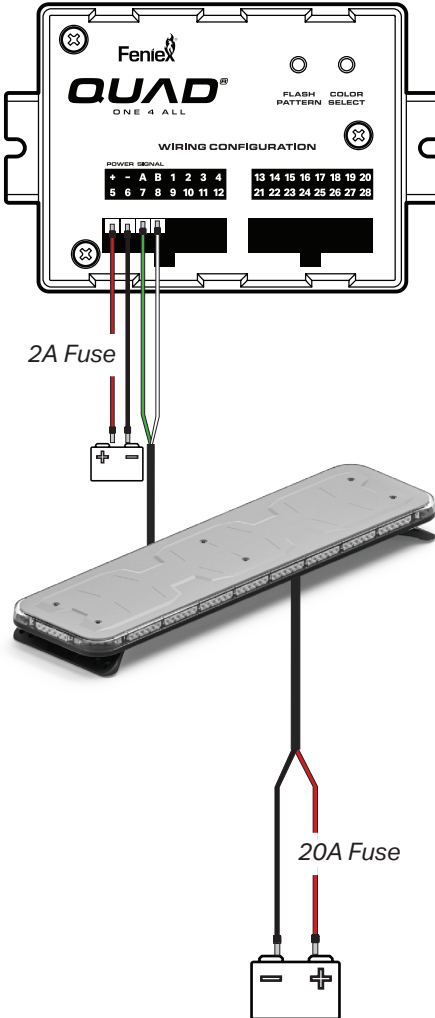
◢ SPECIFICATIONS

Warranty	5 years
Voltage	10-18 Volts DC
Current Draw	17 Amps

◢ PATTERNS

1	Attack
2	Cluster
3	Cluster Mix
4	Combo Single
5	Combo Triple
6	Vehicle Park
7	Half-Half Single
8	Half-Half Triple
9	1-1 Single
10	1-1 Triple
11	2-2 Single
12	2-2 Triple
13	All-on Single
14	All-on Triple
15	End + Corner

QUAD ONE 4 ALL

FLASH PATTERN   COLOR SELECT

WIRING CONFIGURATION

POWER SIGNAL
+ – A B 1 2 3 4
5 6 7 8 9 10 11 12

13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28
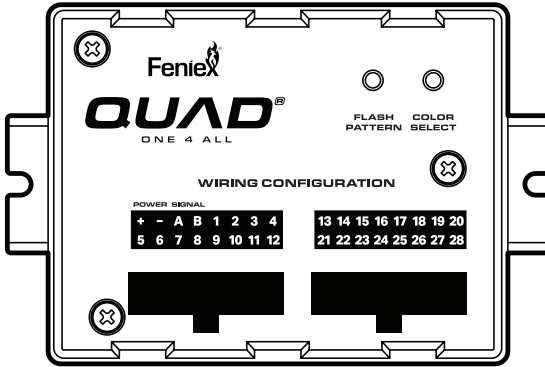
◢ QUAD CONVERTER

1	Front Mode 1	15	Left Signal
2	Front Mode 2	16	Right Signal
3	Front Mode 3	17	Tail
4	Takedown Alley Flash	18	Brake
5	Rear Mode 1	19	Front Flood
6	Rear Mode 2	20	Rear Flood
7	Rear Mode 3	21	Alley Right Flood
8	STT Flashing	22	Alley Left Flood
9	Driver Cut	23	California Red
10	Passenger Cut	24	Cruise Left
11	Front Cut	25	Cruise Right
12	Rear Cut	26	Dim 10%
13	Left Arrow	27	Dim 50%
14	Right Arrow	28	Arrow Position

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▲ PROGRAMMING

Must activate each mode and then tap the pattern select button on the Quad Converter.

■ Arrow Modes 13 & 14

If you wish to step in your traffic advisor pattern using less modules, then activate left or right arrow mode and tap mode 28 to 12V+ 1 second each time to step the patterns in.

■ Signal Modes 15 & 16

To reposition your turn signal to less modules or a single module, activate the signal mode and tap the pattern select button to a 12V+ for 1 second.

1	Front Mode 1
2	Front Mode 2
3	Front Mode 3
4	Takedown/Alley Flashing
5	Rear Mode 1
6	Rear Mode 2
7	Rear Mode 3
8	STT Flashing
9	Driver Cut
10	Passenger Cut
11	Front Cut
12	Rear Cut
13	Left Arrow
14	Right Arrow
15	Left Signal
16	Right Signal
17	Tail
18	Brake
19	Front Flood
20	Rear Flood
21	Alley Right Flood
22	Alley Left Flood
23	California Red
24	Cruise Left
25	Cruise Right
26	Dim 10%
27	Dim 50%
28	Arrow Position

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◢ PROG. CONT.

■ Tail & Brake Modes 17 & 18
To reposition tail and brake to a different module, activate the mode and tap the pattern select button to a 12V+ for 1 second.

■ Takedown Modes 19 & 20
To reposition take down to the appropriate module, activate the flood mode and tap the pattern select button to a 12V+ for 1 second.

■ Alley Modes 21 & 22
To reposition alley to the center, activate the Left or Right Alley mode and then tap the pattern select button to a 12V+ for 1 second.

1	Front Mode 1
2	Front Mode 2
3	Front Mode 3
4	Takedown/Alley Flashing
5	Rear Mode 1
6	Rear Mode 2
7	Rear Mode 3
8	STT Flashing
9	Driver Cut
10	Passenger Cut
11	Front Cut
12	Rear Cut
13	Left Arrow
14	Right Arrow
15	Left Signal
16	Right Signal
17	Tail
18	Brake
19	Front Flood
20	Rear Flood
21	Alley Right Flood
22	Alley Left Flood
23	California Red
24	Cruise Left
25	Cruise Right
26	Dim 10%
27	Dim 50%
28	Arrow Position

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◢ PROG. CONT.

▪ California Red Mode 23
To reposition California Red to another module or to add more modules, activate California Red mode and then tap the pattern select button to a 12V+ for 1 second.

▪ Cruise Modes 24 & 25
To add more modules to cruise, activate cruise mode and then tap your pattern select button to a 12V+ for 1 second to illuminate more modules.

1	Front Mode 1
2	Front Mode 2
3	Front Mode 3
4	Takedown/Alley Flashing
5	Rear Mode 1
6	Rear Mode 2
7	Rear Mode 3
8	STT Flashing
9	Driver Cut
10	Passenger Cut
11	Front Cut
12	Rear Cut
13	Left Arrow
14	Right Arrow
15	Left Signal
16	Right Signal
17	Tail
18	Brake
19	Front Flood
20	Rear Flood
21	Alley Right Flood
22	Alley Left Flood
23	California Red
24	Cruise Left
25	Cruise Right
26	Dim 10%
27	Dim 50%
28	Arrow Position

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◢ CONNECTING THE 4200 DL

■ RJ45 Adapter

1. To connect the Fusion® Amber Lightbar to the 4200 DL Relay & Controller, use the provided RJ45 Adapter.
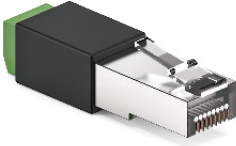
2. Connect the adapter to the RJ45 ports on the 4200 DL Relay marked "1", "2", or "3". Once plugged in, connect the two data wires to the RJ45 Adapter.

3. Connect the white data wire to the port marked "A" on the adapter. Connect the green data wire to port "B" on the adapter.

20A Fuse

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