




**4200 Mini High Current Instruction Manual**  
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**FenieX**  
INNOVATION AT ITS BRIGHTEST

# 4200 MINI HIGH CURRENT CR-4010



**Specifications**   
pp. 03

**Wiring Diagram**   
pp.04

**Controller Instructions**   
pp.05



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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. warrants 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, Al lightbars, Al Cubes, AM900 Work Lights, 8.5" Dome Lights, Cargo Lights, flashlights, Remote Spot Lights, and controllers are warranted for 2 years from the manufacturing date. In addition, all other products are warranted for 5 years from the manufacturing date.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the website at [www.feniex.com/support](http://www.feniex.com/support).

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 9 a.m. to 6 p.m. central time, Monday through Friday. Please do not send in product without contacting support first for an RMA number.

## Service After Expiration

Feniex Industries will still provide service for all products after the expiration of the warranty. 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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## BOX CONTENTS

1x - 4200 Mini Controller

1x - 6 Port High Current Relay

1x - Relay Mounting Hardware

1x - 8-Pin Connector Hardware

1x - 14.5' Extension Cable

6x - 15 Amp Fuses

2x - L-Bracket Mounts

1x - Button Legend Sheet

## SPECIFICATIONS

<b>CONTROLLER</b>	4" x 0.75" x 2.8"
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<b>RELAY</b>	6.25" x 3.25" x 3.25"
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<b>VOLTAGE</b>	10-18VDC
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<b>MAX CURRENT</b>	60 Amps
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<b>AMPS PER OUTPUT</b>	10 Amps
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<b>OUTPUTS</b>	6 Outputs @ 10A/ea.
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<b>WARRANTY</b>	2 Years
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## WIRING GUIDE









### ■ Connection & Power

1. Connect the ring terminal of the thick cable with the red heatshrink directly to the battery.
2. Connect the red wire from the unit to activated 12V+.
3. Connect the black wire of the unit to Ground (12V-).
4. Connect the 4200 Mini 8-pin connector to the receiving 8-pin connector of the relay system.

### ■ Operation

1. After applying power to the unit and installation is complete, the 4200 Mini will operate normally.
2. Each button on the 4200 Mini will control the corresponding output of the relay system.

### ■ 4200 Mini Wire Harness

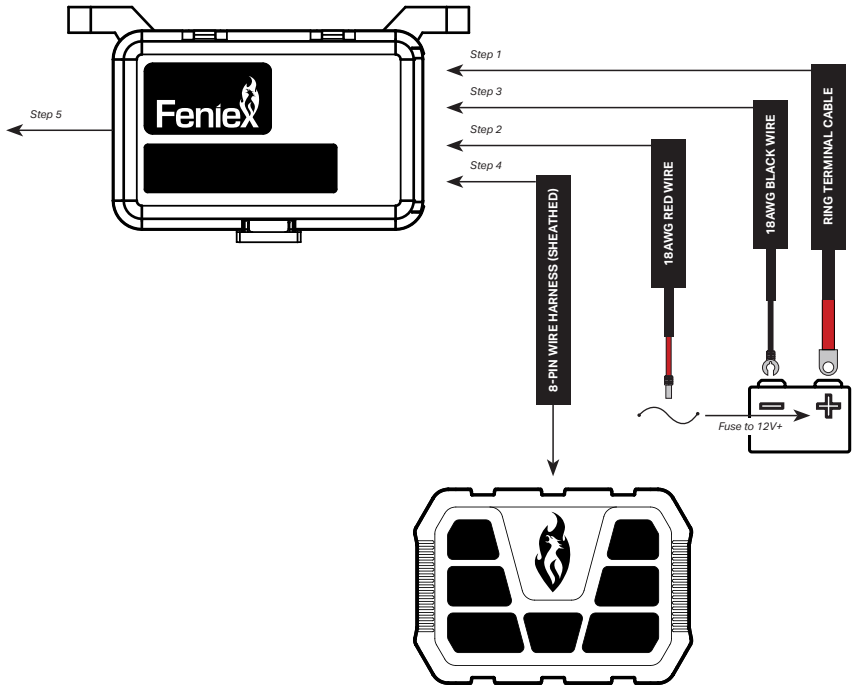
WIRE	INPUT
 Black	Ground
 Red	12V+
 Green	Button/Output 1
 White	Button/Output 2
 Blue	Button/Output 3
 Yellow	Button/Output 4
 Brown	Button/Output 5
 Gray	Button/Output 6



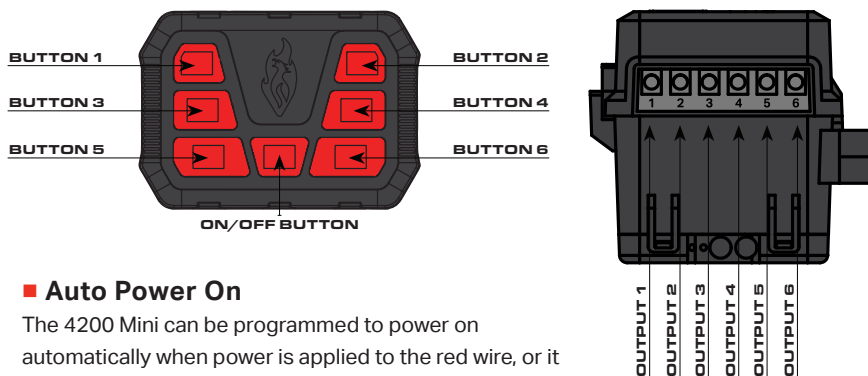
## SYSTEM WIRING DIAGRAM

STEP	DESCRIPTION	CONNECTION
1	Red Heatshrink Cable w/ Ring Terminal (Sheathed)	To Battery (12V+)
2	18AWG Red Wire	To 5 Amp Fuse (12V+)
3	18AWG Black Wire	To Battery Ground (12V-)
4	8-Pin Wire Harness (Sheathed)	To 4200 Mini
5	8 Relay Outputs	To 12V+ of Device to Control

**Important!** Each output channel is rated to 10 amps.



## ▲ CONTROLLER INSTRUCTIONS



### ■ Auto Power On

The 4200 Mini can be programmed to power on automatically when power is applied to the red wire, or it can remain off until the power button is pressed. To toggle this mode:

1. While the unit is powered, but turned off, press and hold the power button until a beep is heard.
2. The mode has been toggled. To change it again, repeat step 1.

### ■ Momentary

You can program each of the 6 outputs to operate as either latching or momentary functionality. To toggle this mode:

1. While the unit is powered, but turned off, press and hold the button you wish to program.
2. While holding the button from step 1, press and hold the power button until a beep is heard.
3. The mode has been toggled. To change it again, repeat steps 1 & 2.

## CONTROLLER INSTRUCTIONS CONT.

### Alt. Wig-Wag

You can program outputs 1 & 2 to operate as an alternating wig-wag flasher. To toggle this mode:

1. While the unit is powered, but turned off, press and hold both button #1 and button #2.
2. While holding the buttons from step 1, press and hold the power button until a beep is heard.
3. The mode has been toggled. To change it again, repeat steps 1 & 2.

### Wig-Wag Functions

When the wig-wag function is active, button #1 activates and deactivates the mode while button #2 changes the selected flash patterns. Wig-wag mode will override the momentary functionality while it is active in the programming.

## BUTTON LEGEND SHEET

BLACK OUT	HIDE-A WAY	GUN LOCK	CLEAR	POWER	SLOW	CAB	AUX 4	LOW POWER	SIREN	MANUAL	FLOW LIGHT	←
BUMPER	DOOR	GUN	STEP	KILL	FAST	TRUNK	AUX 5	LBAR POWER	Q-SIREN	AIR HORN	WORK LIGHT	↔
INVERT	GRILL	LOCK	WIG WAG	DIM	TRAFFIC	TOW	AUX 6	LBAR FRONT	WAIL	MECH	MAP LIGHT	→
CHARG	DECK	RAPID FLASH	HAZARD	ON/OFF	BRAKE	ALARM	CODE 1	LBAR REAR	WAIL 2	HANDS FREE	SEARCH	FLASH
STAND BY	DASH	FLASH MODE	VIDEO	AMBER	BACK UP	RADIO	CODE 2	ALLEY LEFT	YELP	PHASER	DOMO	WARN
STROBE	FRONT	PATTERN	CAMERA	WHITE	K9	PURSUIT	CODE 3	ALLEY RIGHT	YELP 2	STING	FLOOD	LEFT
PREEMP	REAR	MODE	COMP	GREEN	SIDE CUT	WARN	MODE 1	FRONT CUT	HI-LO	TAP 1	FRONT FLOOD	RIGHT
LEFT	SIDE	UPPER	PC	RED	LICENSE PLATE	AUX 1	MODE 2	REAR CUT	HORN	TAP 2	REAR FLOOD	CENTER
RIGHT	FOG	LOWER	RADAR	BLUE	LED	AUX 2	MODE 3	RIGHT CUT	HORN 1	SPOT		
CENTER	CRUISE	TAIL	MAIN	RESET	AREA	AUX 3	TAKE DOWN	LEFT CUT	HORN 2	SPOT LIGHT		