CODE ALARM

PROFESSIONAL SERIES

Installation and Reference Guide

caSEC

2 Way Security and Keyless Entry

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Before You Begin

Thank you for trusting Code Alarm products! **If you are a consumer,** please note:

Professional installation is strongly recommended.

This manual assumes the installer has adequate knowledge of the following expertise, and as such, it does not cover these topics in detail:

- 12-volt electronics
- Testing and verifying circuits
- Making safe and lasting wiring connections
- Factory ignition, power, lighting, data bus and sensing systems
- Factory systems and components to avoid
- Safe wire routing, circuit protection and product placement
- Access to vehicle-specific technical information

In addition, this manual assumes the installer has the **proper tools, skill and facilities** to perform a professional installation.

Performing an improper installation could void your vehicle warranty and/or result in damage to the vehicle or its components, improper system function, unsafe vehicle operation or physical injury.

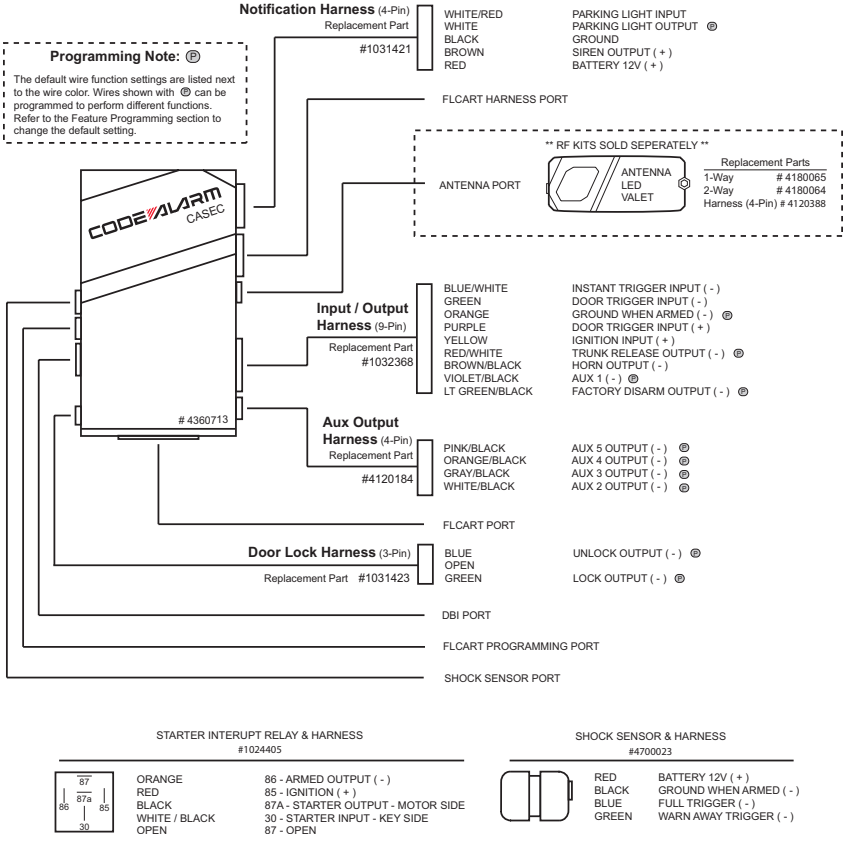
If you are an authorized Code Alarm installation technician, please use this manual as a more detailed addendum to the Installation Quick Reference Guide that accompanies the Code Alarm system. You can download a printable PDF of the quick reference guide at voxxuniversity.com.

Technical Support (800) 421-3209
or go to
www.voxxuniversity.com

Wire Connection Guide

System Layout

This diagram shows the available harnesses and connections for the caSEC. Note that you may not use all connections and modules in your installation.



5 Pin Main Harness

5 PIN MAIN	1	WHITE/RED	PARKING LIGHT INPUT
	2	WHITE	PARKING LIGHT OUTPUT
	3	BLACK	GROUND
	4	BROWN	SIREN OUTPUT (+)
	5	RED	BATTERY 12V (+)

9 Pin Input / Output Harness

9 PIN INPUT / OUTPUT	1	BLUE/WHITE	INSTANT TRIGGER INPUT (-)
	2	GREEN	DOOR TRIGGER INPUT (-)
	3	ORANGE	GROUND WHEN ARMED OUTPUT (-)
	4	PURPLE	DOOR TRIGGER INPUT (+)
	5	YELLOW	IGNITION INPUT (+)
	6	RED/WHITE	TRUNK RELEASE OUTPUT (-)
	7	BROWN/BLACK	HORN OUTPUT (-)
	8	VIOLET/BLACK	AUX 1 (-)
	9	LT GREEN/BLACK	FACTORY DISARM OUTPUT (-)

4 Pin AUX Output Harness

4 PIN AUX OUTPUT	1	PINK/BLACK	AUX 5 OUTPUT (-)
	2	ORANGE/BLACK	AUX 4 OUTPUT (-)
	3	GRAY/BLACK	AUX 3 OUTPUT (-)
	4	WHITE/BLACK	AUX 2 OUTPUT (-)

3 Pin Lock Output Harness

3 PIN LOCK	1	BLUE	UNLOCK (-)
	2	OPEN	
	3	GREEN	LOCK (-)

5 Pin Main Harness

1	WHITE/RED	PARKING LIGHT INPUT

2	WHITE	PARKING LIGHT OUTPUT

Locate the parking light output wire at the vehicle's light switch.

Verification: This wire registers positive voltage when the parking lights are turned on.

Positive switching Parking Lights:

Connect the WHITE/RED wire to a 15 Amp max fused battery source.

Connect the WHITE wire to the parking light output wire.

Negative switching Parking Lights:

Connect the WHITE/RED wire to a good chassis ground.

Connect the WHITE wire to the parking light output wire.

3	BLACK	GROUND

Connect the BLACK wire to a solid chassis ground point using a ring terminal and self tapping screw (not supplied). Scrape away paint from the grounding point to ensure a good connection. The recommended grounding point is a metal surface in the driver's side kick panel area.

NOTE: Do not ground the BLACK wire with any other vehicle components.

4	BROWN	SIREN OUTPUT (+)

Locate a suitable mounting location in the engine compartment for the siren, away from moving parts.

With the bell of the siren aiming downwards, secure the siren in place using self tapping screws, being careful not do drill into any hoses, wiring or components.

Connect the BLACK siren wire to a chassis ground using a ring terminal and self tapping screw (not supplied).

Route the BROWN siren output wire from the control module through the firewall and connect to the RED wire on the siren.

NOTE: Be sure to loom the siren wires, and seal the grommet.

5	RED	BATTERY 12V (+)

Locate 1 of the vehicle's constant 12 Volt battery wires at the ignition switch.

Verification: This wire will register (+) voltage in all positions of the ignition switch.

Connect the RED wire to the constant 12 Volt battery wire.

NOTE: Remove all fuses until all connections are made.

9 Pin Input / Output Harness

1	BLUE/WHITE	INSTANT TRIGGER INPUT (-)

This wire is a GROUND input for an external sensor or secondary pin switch.

Verification: This wire when connected will trigger the security system.

2	GREEN	DOOR TRIGGER INPUT (-)

Locate the vehicle's dome light or door pin switch wire.

Verification: This wire will register ground (NEG) when the door is opened and the interior light is on. This wire will register positive voltage when the door is closed and the interior light is off.

Connect the GREEN wire to the vehicle's negative door input wire(s).

NOTE: Certain vehicles may require multiple connections. Refer to vehicle application guide

3	ORANGE	GROUND WHEN ARMED OUTPUT (-)

This wire will have a continuous (-) 500mA output when the system is Armed. This wire is typically used for controlling window modules or additional sensors.

This output is configurable in option programming.

4	PURPLE	DOOR TRIGGER INPUT (+)

Locate the vehicle's dome light or door pin switch wire.

Verification: This wire will register positive voltage (POS) when the door is opened and the interior light is on. This wire will register ground or "0" Volts when the door is closed and the interior light is off.

Connect the PURPLE wire to the vehicle's positive door input wire(s).

NOTE: Certain vehicles may require multiple connections. Refer to vehicle application guide

5	YELLOW	IGNITION INPUT (+)

Locate the vehicle's ignition wire at the ignition switch.

Verification: This wire registers voltage when the key is turned to the ON (or RUN) position. The voltage does not drop out when the key is turned to the START (or CRANK) position.

Connect the YELLOW wire to the vehicle's Ignition wire.

6	RED/WHITE	TRUNK RELEASE OUTPUT (-)

Locate the vehicle's trunk release wire at the trunk release switch.

Verification: This wire will register either positive voltage or ground when the trunk release is activated.

This wire will supply a (-) 200mA output and can be configured in option programming.

7	BROWN/BLACK	HORN OUTPUT (-)

Locate the vehicle's horn wire.

Verification: This wire will register at positive voltage and register ground when the horn switch is pressed.

Connect the BROWN/BLACK wire to the vehicle's horn wire. This is a low current output, 200mA.

8	VIOLET/BLACK	AUX 1

This wire provides a (-) 200mA output capable of driving relays. For Control of optional accessories (i.e. Power Window/Sunroof, etc.).

To activate refer to the transmitter button configuration chart. Please refer to the selectable options for timing.

9	LT GREEN/BLACK	FACTORY DISARM OUTPUT (-)

This wire will supply a (-) 200mA pulse upon disarming the system. Locate the factory perimeter alarm disarm wire from the key cylinder inside the drivers door.

Verification: This wire registers ground if the key is turned to the unlock position in the driver's door cylinder.

Connect the LT GREEN/BLACK wire to the factory alarm disarm wire.

4 Pin AUX Output Harness

1	PINK/BLACK	AUX 5

This wire provides a (-) 200mA output capable of driving relays. For Control of optional accessories (i.e. Power Window/Sunroof, etc.).

To activate refer to the transmitter button configuration chart. Please refer to the selectable options for timing.

2	ORANGE/BLACK	AUX 4

This wire provides a (-) 200mA output capable of driving relays. For Control of optional accessories (i.e. Power Window/Sunroof, etc.).

To activate refer to the transmitter button configuration chart. Please refer to the selectable options for timing.

3	GRAY/BLACK	AUX 3

This wire provides a (-) 200mA output capable of driving relays. For Control of optional accessories (i.e. Power Window/Sunroof, etc.).

To activate refer to the transmitter button configuration chart. Please refer to the selectable options for timing.

4	WHITE/BLACK	AUX 2

This wire provides a (-) 200mA output capable of driving relays. For Control of optional accessories (i.e. Power Window/Sunroof, etc.).

To activate refer to the transmitter button configuration chart. Please refer to the selectable options for timing.

3 Pin Lock Output Harness

1	BLUE	UNLOCK (-)
3	GREEN	LOCK (-)

The door lock / unlock outputs are designed to control several different types of systems which may require additional parts. Please review the wire and location chart to see which type of door lock system is in your vehicle. The most common types are shown in the following diagrams.

These wires supply a (-) 500mA output.

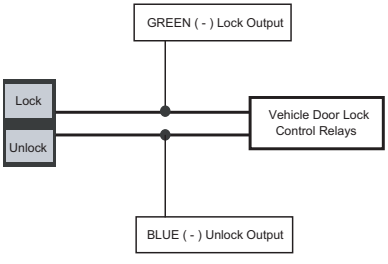
Negative Switching Locks

All Door Lock and Unlock: Locate the lock / unlock wire at the vehicle's lock / unlock switch.

Verification: These wires will register ground when the Lock and Unlock switches are activated.

Connect the GREEN and BLUE wires shown in the diagram below.

Negative Locks:



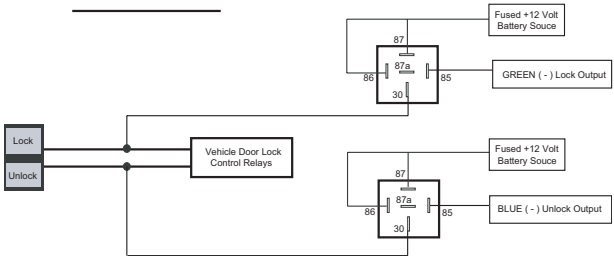
Positive Switching Locks

All Door Lock and Unlock: Locate the lock / unlock wire at the vehicle's lock / unlock switch.

Verification: These wires will register positive voltage when the Lock and Unlock switches are activated.

Connect the GREEN and BLUE wires shown in the diagram below.

Positive Locks:



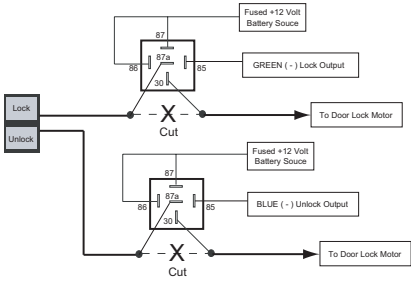
Reverse Polarity Locks (5-Wire Door locks)

All Door Lock and Unlock: Locate the lock / unlock wire at the vehicle's lock / unlock switch.

Verification: These wires will rest at ground and register positive voltage when the Lock and Unlock switches are activated.

Connect the GREEN and BLUE or BLUE/GREEN wires shown in the diagram below using (2) SPDT relays (not supplied).

Reverse Polarity Locks:



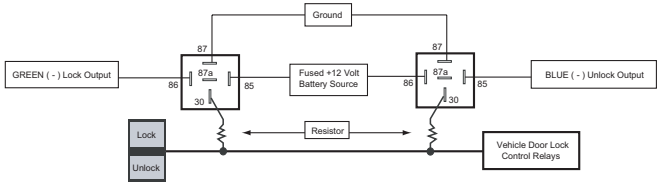
Negative Multiplexed Locks

All Door Lock and Unlock: Locate the lock / unlock wire at the vehicle's lock / unlock switch.

Verification: This wire will show variable ground when the switch is activated. Please consult the wire and location chart for specific resistor values for your vehicle.

Connect the GREEN and BLUE or BLUE/GREEN wires shown in the diagram below using (2) SPDT relays (not supplied).

Multiplex Locks:



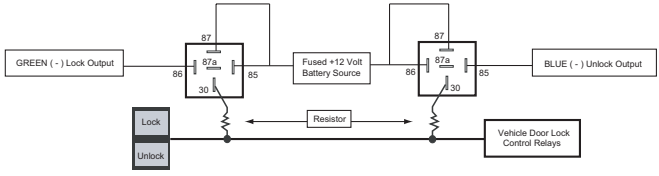
Positive Multiplexed Locks

All Door Lock and Unlock: Locate the lock / unlock wire at the vehicle's lock / unlock switch.

Verification: This wire will show variable positive voltage when the switch is activated. Please consult the wire and location chart for specific resistor values for your vehicle.

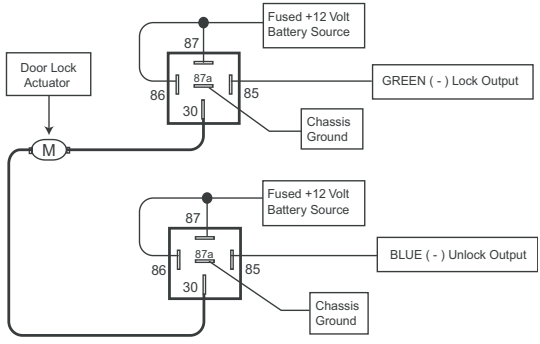
Connect the GREEN and BLUE or BLUE/GREEN wires shown in the diagram below using (2) SPDT relays (not supplied).

Multiplex Locks:



Adding Aftermarket Actuators

After installing aftermarket actuators, (not supplied). Connect the GREEN and BLUE wires shown in the diagram below using (2) SPDT relays (not supplied).



Additional Ports

Antenna / LED / Programming Port

Mount the supplied antenna/receiver to a clear spot on the vehicle's windshield that will not block the driver's vision. A good location is usually high on the windshield near the rear view mirror. Be careful not to mount the antenna/receiver on any metallic window film, as this will effect system range. Route the antenna/receiver cable to the control module and plug into the antenna port.

DBI Port - 4 Pin Data Bus Interface

The DBI port is used for external Flashlogic data immobilizer & door lock Interface modules to communicate with the vehicle's databus. When using the DBI port to control Flashlogic modules please refer to the D2D (Data to Data) function list available per vehicle firmware on the tech service web site.

FLCART Cartridge Port

This port is for installing the Flashlogic FLCART data immobilizer & door lock interface cartridge used to communicate with the vehicle's databus.

FLCART 4 Pin Programming Port

This 4 port is used for programming the Flashlogic FLCART interface cartridge via the FLPROG Weblink Updater. Refer to the Flashlogic website for more details.

FLCART Harness Port

This port is for the harness included with the FLCART interface cartridge. Refer to the Flashlogic website for more details.

Transmitter Programming - Feature Bank 1

1. Turn the ignition ON.
2. Press and hold the valet/override button.
3. Within 10 seconds the system will chirp (3) three times.
4. Press 1 button of each transmitter you wish to program.
5. The system will respond with 1 chirp for each accepted transmitter.
6. Pressing the override button at anytime during programming will advance to the next bank.

NOTE: The system will exit transmitter programming after 15 seconds of inactivity.

NOTE: This system has 1 button programming which programs all channels of the system.

NOTE: The system will hold up to 4 transmitters in memory, programming a 5th transmitter will erase the oldest transmitter in memory.

NOTE: This system has PTN - Programmed Transmitter Notification. Each time the ignition is turned ON, the LED will flash the number of transmitters programmed to the system.

Transmitter programming for 2 Car Mode *2 way transmitter only:

1. Enter the transmitter into 2 Car Mode. (Refer to transmitter operation in the owners manual for 2 car operation)
2. Follow the steps above for transmitter programming.

NOTE: 2 car mode requires an additional security system installed in a second vehicle.

Manual Feature Programming - Feature Bank 2 & 3

1. Turn the ignition ON.
2. Press and hold the valet/override button.
3. Within 10 seconds the system will chirp (3) three times.
4. Use the valet/override button to advance through each option bank. For feature programming advance to Feature Bank 2 or 3, which is (4) four and (5) five chirps.
5. Use the transmitter button to scroll through the selections in each feature bank, the system will chirp to match the feature number.
6. Press the transmitter button to change the desired feature. The LED will flash indicating the changed feature.

Defaulting All Features: Pressing the button anytime while in any of the feature banks will default all features and return you to feature bank 2 - 4 chirps.

NOTE: The system will remain in feature programming mode as long as the ignition is on, there is no time limit. To exit programming turn the IGNITION OFF.

	Feature Bank 1 - *3 Chirps* Transmitter Programming

Refer to transmitter programming.

	Feature Bank 2 - *4 Chirps* Security Control	1 LED Flash	2 LED Flash	3 LED Flash	4 LED Flash	5 LED Flash	6 LED Flash
1	Silent Choice	ON	**OFF**				
2	Door Locks	**Active**	Passive				
3	System Arming	**Active**	Passive				
4	System Notifications	**Siren & Horn**	Siren Only	Horn Only			
5	Alarm Duration	**30 Seconds**	60 Seconds				
6	Security	**ON**	OFF	ON w/ OEM Remote Start			
7	Anti-Hijack Mode	**OFF**	ON				
8	Ground While Armed Orange (-) Output	**Ground While Armed**	Ground While Disarmed				
9	DBI Port Protocol	**DBI**	ADS				
10	Arm / Disarm Chirps	**Standard:** **2 - Arm** **1 - Disarm**	Inverted: 1 - Arm 2 - Disarm				
11	LED Indicator	**ON**	OFF				
12	Auto Re-lock	**OFF**	Lock Only	Arm & Lock			
13	Extended Parking Lights	**OFF**	After Unlock	After Lock	After Lock & Unlock		
14	Parking Light Relay / Trunk (-) Output	**Standard**	Inverted				

	Feature Bank 3 - *5 Chirps* Output Control	**1 LED Flash**	**2 LED Flash**	**3 LED Flash**	**4 LED Flash**	**5 LED Flash**	**6 LED Flash**
1	Lock / Unlock Timing	**1 Sec.**	3.5 Sec.	1 Sec. Lock, 2x Unlock	30 Sec. Lock, 2x Unlock	2x Lock, 1 Sec. Unlock	0.5 Sec.
2	Factory Disarm Lt Green / Black	**Factory Disarm**	2nd Unlock	Factory Disarm 2x 500mS	Factory Disarm 350mS	Factory Disarm 500mS	Factory Disarm w/ Unlock Timing
3	Ignition Locks	**OFF**	Lock / Unlock	Lock Only	Unlock Only		
4	Trunk Output Timing	**1 Sec.**	10 Sec.	20 Sec.	Latched until IGN ON	Latched ON until Button Press	
5	Horn Output Timing	**16mS**	10mS	30mS	40mS	50mS	
6	Real Panic	**ON**	OFF				
7	AUX 1 Violet / Black Output	**1 Sec.**	Latched	Latched until IGN ON	Dome Light Output		
8	AUX 2 White / Black Output	**1 Sec.**	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	L.E.D. Output
9	AUX 3 Gray / Black Output	**1 Sec.**	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	L.E.D. Output
10	AUX 4 Orange / Black Output	**1 Sec.**	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	L.E.D. Output
11	AUX 5 Pink / Black Output	**1 Sec.**	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	L.E.D. Output

Code Alarm Utility App
Feature Programming / Firmware Updates (optional)

The new Code Alarm Utility App is able to set feature options, save frequently used feature configurations as well as update module firmware.

PC System Requirements:

Windows XP SP3 or above

Min 1GB RAM

Net Framework 4.0 or above

Screen Resolution - Suggested 1280x1024 or above

Required Accessory & PC Software:

VEPROG Programmer Accessory

CA Utility App

VEPROG drivers

Download and Install the Required Drivers:

1. To download the Code Alarm Utility App visit the Voxx University website at voxxuniversity.com (registration/login required).
2. Select VOXXTECH and locate the utility app under the heading Software Downloads.
3. The Code Alarm Utility App download includes both the CA Utility app and necessary VEPROG drivers.
4. Install both items before attempting to update modules.

Use a PC and VEPROG tool for Feature Programming or Firmware Updates:

1. Launch the Code Alarm Utility App.
2. Connect the VEPROG to your PC via the USB port.
3. Connect the VEPROG to the Code Alarm Module.
4. Select the features you wish to change or update firmware if needed.

Adjusting the Shock Sensor

1. Increase sensitivity by turning the adjustment dial clockwise.
2. Decrease sensitivity by turning the adjustment dial counter clockwise.

Testing the Shock Sensor

Arm the system and wait 6 seconds for the zone to stabilize, then firmly strike the vehicles bumper.

Chirp Delete - User Accessible

System ARM/DISARM chirps can be toggled ON or OFF without entering the programming feature banks.

1. Turn the ignition ON then OFF.
2. Press and release the valet/programming button 3 times. The system will respond with 1 chirp for ON or 2 chirps for OFF.

User Selectable LED

This feature will control whether the LED is ON or OFF when the system is Armed/ Locked. This will be selectable in feature programming OR on-the-fly without entering the programming feature banks.

1. Turn the ignition ON, OFF, ON, OFF.
2. Press and release the valet/programming button 3 times. The system will respond with 1 chirp for ON or 2 chirps for OFF.

Dome Light Delay / Theater Dimming

The system can be programed to delay arming after the lock button is pressed (60 second max) for vehicles with a dome light delay or theater dimming feature. Once programed the system will 'learn' the timing of the dome light delay and add 2 seconds before arming.

1. Close all doors with ignition off.
2. Using the transmitter press LOCK, UNLOCK, LOCK ,UNLOCK, LOCK , UNLOCK, LOCK. The LED will light solid to indicate the system has entered DOME DELAY LEARN MODE.
3. Immediately OPEN then CLOSE the door WITHOUT disarming the system. The system will then monitor the door trigger wire. Once the dome light turns off, the system will then add 2 seconds and then exit the learning mode.
4. The LED will begin to flash indicating the system has exited the learning mode and is now armed.

Defaulting the Dome Light Delay: Turn the ignition ON then OFF 3 times then press and hold the valet button for 5 seconds, the system will chirp 1 time indicating the learned delay time has been cleared.

Feature Bank 2 - Security

1 - Silent Choice: Controls the normal arm/disarm chirps of the security system.

ON - Silent arming/disarming upon first press of lock/unlock, pressing lock/unlock a second time will activate the arm/disarm chirps respectively. The system will only sound the arm/disarm chirps upon a second press of the lock/unlock buttons.

OFF - Normal arm/disarm chirps upon the first press of lock/unlock.

2 - Door Locks: Determines manual or automatic locking of the vehicle's doors.

Active - Requires use of the transmitter to lock the vehicle's doors.

Passive - Automatically locks the vehicle's doors 1 minute after the last door is closed.

Note: For Passive Locks, feature #3, System Arming, must also be set to passive.

3 - System Arming: Determines manual or automatic locking of the vehicle's doors.

Active - Requires use of the transmitter to arm the security system.

Passive - Automatically arms the security system 1 minute after the last door is closed.

4 - System Notifications: This feature selects which output(s) will sound the system's arm/disarm chirps. This feature does not effect the triggered state of the security system and during a triggered cycle, both the siren and horn outputs will activate respectively.

Siren & Horn - Siren and horn both sound when arming/disarming the system.

Siren Only - Only the siren will sound when arming/disarming the system.

Horn Only - Only the horn will sound when arming/disarming the system.

5 - Alarm Duration: This feature controls the length of time the system will sound when triggered.

30 Seconds - When triggered, the system will sound the siren/horn for 30 seconds then stop. The unit will remain armed and may be triggered again.

60 Seconds - When triggered, the system will sound the siren/horn for 60 seconds then stop. The unit will remain armed and may be triggered again.

6 - Security: Controls security functionality - ON / OFF.

ON - Full security functionality.

OFF - The security system does not trigger. Panic, Remote Start and all other convenience features operate as normal.

ON w/OEM Remote Start Compatibility - This will prevent a vehicle's factory remote start from triggering the security system when activated. The system will use the ignition input to shunt shock and door inputs until 5 seconds after they clear. If the alarm is triggered prior to ignition on, then ignition will not shunt/cancel the alarm's triggered state. Also, note that the ignition input will no longer serve as a trigger if this option is selected on.

7 - Anti-Hijack Mode: Controls carjack mode - ON / OFF.

OFF - Standard security system operation.

ON - Enables Carjack mode functionality as described in the owners manual.

8 - Ground While Armed / Orange (-) Output: Controls the output of the orange wire. This wire will either supply a (-) output when armed OR disarmed.

9 - DBI Port Protocol: Determines the protocol type in which the DBI port uses to interface with external modules.

DBI Protocol

ADS Protocol

10 - Arm/Disarm Chirps: Determines the number of chirps and parking light flashes when the system is armed/disarmed.

Standard - 2 chirps/light flashes with arm, 1 chirp/light flash with disarm.

Inverted - 1 chirp/light flash with arm, 2 chirps/light flashes with disarm.

11 - LED Indicator: Control of the status LED when the system is armed / locked.

ON - LED will flash when system is armed / locked

OFF - LED will not flash when system is armed / locked. Only applies to normal operation (armed/locked) and does not affect programming, valet mode, diagnostics, passive lock countdown or PTN.

12 - Auto Re-Lock: When Auto Re-lock is selected, the system will re-lock the vehicle after 3 minutes if the system was disarmed and a door was NOT opened within that set amount of time. A door opening within this time cancels Auto Re-Lock.

Note: This feature is separate from Passive/Active Arming

OFF - Standard operation.

Lock Only - The unit will re-lock the vehicle after 3 minutes if the system was disarmed and a door was NOT opened within that time.

Arm & Lock (security units only) - The system will arm and also re-lock the vehicle after 3 minutes if the system was disarmed and a door was NOT opened within that time.

13 - Extended Parking Lights: When selected, this feature will keep the parking lights on for an additional 30 seconds after the standard flashes when pressing lock or unlock.

OFF - Normal parking light function.

After Unlock - Parking lights will stay on for 30 seconds after normal unlock flashes.

After Lock - Parking lights will stay on for 30 seconds after normal lock flashes.

After Lock & Unlock - Parking lights will stay on for 30 seconds after normal lock and unlock flashes.

14 - Parking Light Relay / Trunk (-) Output: This feature gives the installer the ability to swap the functions of the Parking Light Relay & Trunk Output.

Standard - No change to outputs.

Inverted - When inverted, the Trunk Red / White (-) Output will function as the Parking Light Output and the Parking Light White & White/ Red will function as the Trunk Output.

Feature Bank 3 - Output Control

1 - Lock / Unlock Timing: Controls the timing of the BLUE and GREEN lock output wires.

1 Sec. - Single 1 second lock pulse, single 1 second unlock pulse.

3.5 Sec. - Single 3.5 second lock pulse, single 3.5 second unlock pulse.

1 Sec. Lock, 2x Unlock - Single 1 second lock pulse, double 1 second unlock pulse.

30 Sec. Lock, 2x Unlock - Single 30 second lock pulse, double 1 second unlock pulse.

2x Lock, 1 Sec. Unlock - Double 1 second lock pulse, single 1 second unlock pulse.

0.5 Sec. Pulse - Single 0.5 second lock pulse, single 0.5 second unlock pulse.

2 - Factory Disarm 2, Lt Green/Black Output: Controls the timing of the Lt Green/Black Factory Disarm wire.

Factory Disarm - Single 1 second pulse with unlock and remote start activation.

2nd Unlock - Same output timing as unlock with 2nd press of unlock only.

Factory Disarm 2x 500mS - Double 500mS second pulse with unlock and remote start activation.

Factory Disarm 350mS - Single 350mS second pulse with unlock and remote start activation.

Factory Disarm 500mS - Single 500mS second pulse with unlock and remote start activation.

Factory Disarm w/ Unlock Timing - Uses the timing option set for Unlock in Bank 3, Feature 1.

3 - Ignition Locks: Control of door locks when the ignition is cycled ON or OFF.

OFF - Door locks not activated by ignition.

Lock / Unlock - Doors lock when ignition is turned on and unlock when ignition is turned off.

Lock Only - Doors lock when ignition is turned on.

Unlock Only - Doors unlock when ignition is turned off.

4 - Trunk Output Timing: Controls the output timing/type of the RED/WHITE Trunk output.

1 Sec. - 1 second pulse output.

10 Sec. - Continuous output for 10 seconds.

20 Sec. - Continuous output for 20 seconds.

Latched until IGN ON - Continuous output until the vehicle's ignition is turned ON.

Latched ON until Button Press - Continuous output until the activation button is pressed again.

5 - Horn Output Timing: Control the minimum horn pulse time in milliseconds, some vehicles will require a longer pulse to activate the factory horn.

16mS 10mS 30mS 40mS 50mS

6 - Real Panic: Controls the panic out when triggered from the transmitter.

ON - Randomized horn honks when panic is triggered.

OFF - Standard pattern horn honks when panic is triggered.

7 - AUX 1: Controls the VIOLET/BLACK AUX 1 output activation type and timing.

1 Sec. Pulse - Single 1 second pulse.

Latched - Output stays active until button is pressed again.

Latched until IGN ON - Output stays active until the ignition is turned on.

Dome Light Output - Output is used for illuminated entry and is not controlled by the AUX 1 function of the transmitter.

8 - AUX 2: Controls the WHITE/BLACK AUX 2 output activation type and timing.

1 Sec. - Single 1 second pulse.

Latched - Output stays active until button is pressed again.

Latched until IGN ON - Output stays active until the ignition is turned on.

10 Sec. w/ Arm - Output stays active for 10 seconds with press of lock button.

10 Sec. w/ Disarm - Output stays active for 10 seconds with press of unlock button.

L.E.D. Output - Output will mimic the flash patterns of the systems status LED.

9 - AUX 3: Controls the GRAY/BLACK AUX 3 output activation type and timing.

1 Sec. - Single 1 second pulse.

Latched - Output stays active until button is pressed again.

Latched until IGN ON - Output stays active until the ignition is turned on.

10 Sec. w/ Arm - Output stays active for 10 seconds with press of lock button.

10 Sec. w/ Disarm - Output stays active for 10 seconds with press of unlock button.

L.E.D. Output - Output will mimic the flash patterns of the systems status LED.

10 - AUX 4: Controls the ORANGE/BLACK AUX 4 output activation type and timing.

1 Sec. - Single 1 second pulse.

Latched - Output stays active until button is pressed again.

Latched until IGN ON - Output stays active until the ignition is turned on.

10 Sec. w/ Arm - Output stays active for 10 seconds with press of lock button.

10 Sec. w/ Disarm - Output stays active for 10 seconds with press of unlock button.

L.E.D. Output - Output will mimic the flash patterns of the systems status LED.

11 - AUX 5: Controls the PINK/BLACK AUX 5 output activation type and timing.

1 Sec. - Single 1 second pulse.

Latched - Output stays active until button is pressed again.

Latched until IGN ON - Output stays active until the ignition is turned on.

10 Sec. w/ Arm - Output stays active for 10 seconds with press of lock button.

10 Sec. w/ Disarm - Output stays active for 10 seconds with press of unlock button.

L.E.D. Output - Output will mimic the flash patterns of the systems status LED.

Transmitter Button Functions

4-Button Transmitter	Lock	Unlock	Car Find / Panic	Trunk		Operation Method
Lock	X					Press and Release
Unlock		X				Press and Release
2 Step Unlock		X				Press and Release 2 times
Trunk				X		Push and Hold (3 Sec)
Car Finder			X			Press and Release
Panic			X			Push and Hold (3 Sec)
AUX 1	X	X				Push and Hold (3 Sec)
Shock Bypass	X		X			Press and Release Lock then Press Lock + Car Find
Hidden Alarm	X		X			Press and Release Car Fnd then Press Lock
Passive Arming Bypass		X	X			Press and Release
AUX 2, 3, 4, 5 - Access in AUX Mode						
Enter AUX Mode			X	X		Press and Hold Find + Trunk Transmitter LED flashes 1 time
AUX 2	X					Push and Hold (3 Sec)
AUX 3		X				Push and Hold (3 Sec)
AUX 4			X			Push and Hold (3 Sec)
AUX 5				X		Push and Hold (3 Sec)

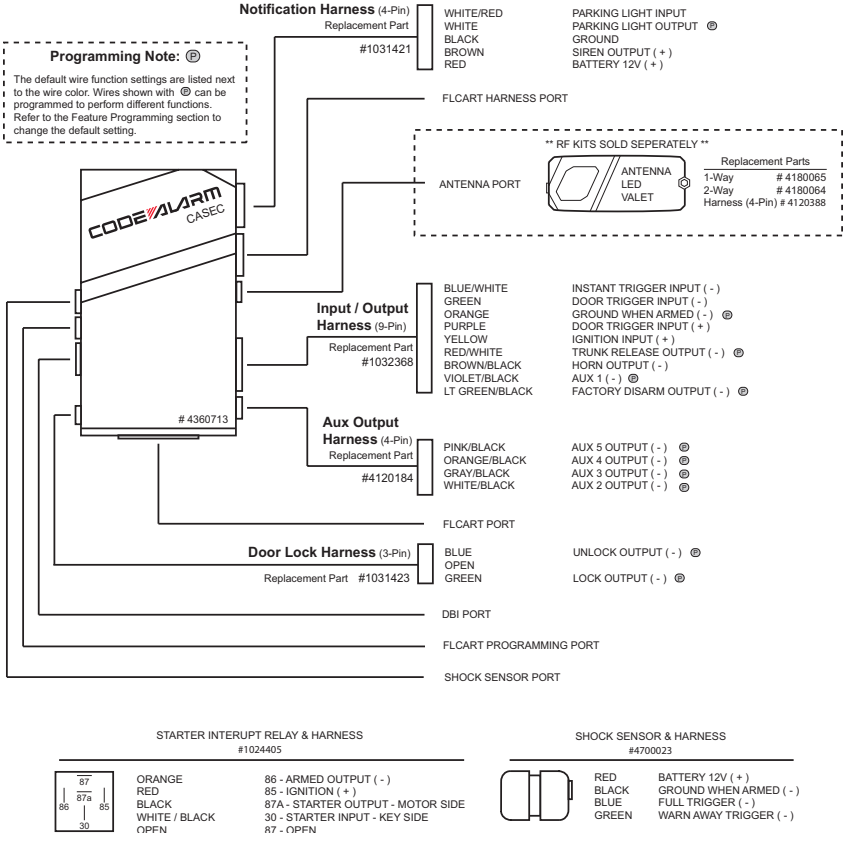
LCD 5-Button Transmitter	Lock	Unlock	Car Find / Panic	Trunk	Function	Operation Method
Lock	X					Press and Release
Unlock		X				Press and Release
2 Step Unlock		X				Press and Release 2 times
Trunk				X		Push and Hold (3 Sec)
Car Finder			X			Press and Release
Panic			X			Push and Hold (3 Sec)
AUX 1	X	X				Push and Hold (3 Sec)
Shock Bypass	X		X			Press and Release Lock then Press Lock + Car Find
Hidden Alarm	X		X			Press and Release Car Fnd then Press Lock
Passive Arming Bypass		X	X			Press and Release
Menu					X	Press and Release
AUX 2, 3, 4, 5 - Access in AUX Mode						
Enter AUX Mode					X	Press and Hold F for 2 seconds LCD displays AU
AUX 2	X					Push and Hold (3 Sec)
AUX 3		X				Push and Hold (3 Sec)
AUX 4			X			Push and Hold (3 Sec)
AUX 5				X		Push and Hold (3 Sec)

Security Trigger Zones

If the security system has been triggered the **LED** will flash one of the patterns below indicating the zone.

LED FLASHES	TRIGGER ZONE
2 Flashes	Hood / Trunk Input
3 Flashes	Door Input
4 Flashes	Shock Sensor
5 Flashes	Ignition Input

System Layout



STARTER INTERUPT RELAY & HARNESS
#1024405

ORANGE — 86 - ARMED OUTPUT (-)
RED — 85 - IGNITION (+)
BLACK — 87A - STARTER OUTPUT - MOTOR SIDE
WHITE / BLACK — 30 - STARTER INPUT - KEY SIDE
OPEN — 87 - OPEN

SHOCK SENSOR & HARNESS
#4700023

RED — BATTERY 12V (+)
BLACK — GROUND WHEN ARMED (-)
BLUE — FULL TRIGGER (-)
GREEN — WARN AWAY TRIGGER (-)

Voxx Electronics Corporation.
Customer Service 1-800-421-3209
WWW.CODE-ALARM.COM

FCC COMPLIANCE

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including any interference that may cause undesired operation.

Warning!

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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