

Installation Instructions

**PROFESSIONAL INSTALLATION
STRONGLY RECOMMENDED**

Vehicle Security System

Installation Precautions:



Roll down window to avoid locking keys in vehicle during installation



Avoid mounting components or routing wires near hot surfaces



Avoid mounting components or routing wires near moving parts



Tape or loom wires under hood for protection and appearance



Use grommets when routing wires through metal surfaces



Use a voltmeter for testing and verifying circuits



Technical Support

For Authorized Dealers - (800) 421-3209

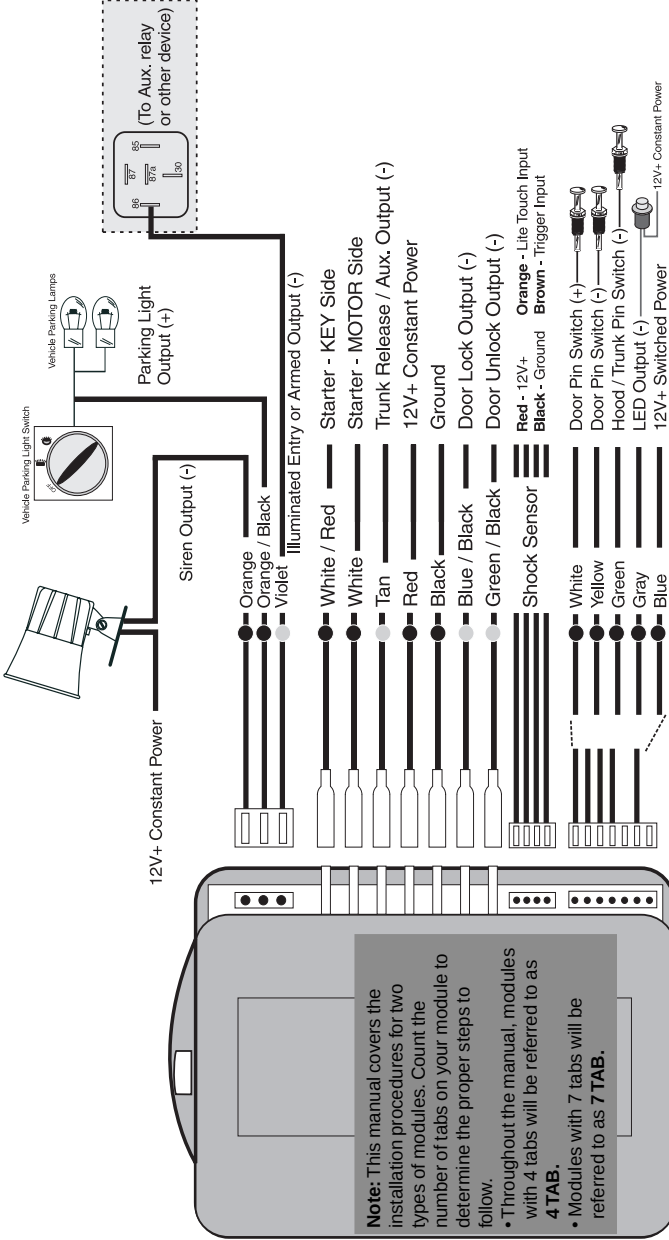
Hours: 8:00 a.m. - 7:00 p.m. EST Monday thru Friday

10:00 a.m. - 2:00 p.m. EST Saturday

This device complies with part 15 of the FCC rules and with RSS-210 of the 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 interference that may cause undesired operation.

Y5 / Y7
INS0783
Rev. C
2/97

System Layout



Refer to Wire Color / Location Chart for specific wire color, location, and polarity information.

1. Installation

A. Siren (ORANGE on 3-Pin Connector)

- Mount bell housing downwards.
- Use at least two (2) screws to secure siren to mounting location.
- Connect siren BLACK wire to module ORANGE wire.
- Connect siren RED wire to a fused +12-volt source.

B. 12V+ Main Feed (RED)

- Connect at vehicle battery or at main 12-volt lead at ignition switch harness.
- Circuit Verification* - Target wire registers voltage at all times.

C. 12V+ Switched Feed (BLUE on 7-Pin Connector)

- Connect at switched 12-volt lead at ignition switch harness.
- Circuit Verification* - Target wire registers voltage when ignition key is turned to the ON position and START position.

D. Ground (BLACK)

- Attach to grounded metal point of vehicle chassis.

Note: When installing multiple components (such as an alarm and remote starter), ground the units separately.

E. Starter Interrupt (WHITE/RED and WHITE)

- Connect to vehicle starter wire at ignition switch harness.
- Circuit Verification* - Target wire registers voltage only when ignition key is turned to the START position.

Circuit Verification after starter wire is cut:

- KEY SIDE of starter wire registers voltage when ignition key is turned to the START position.
- MOTOR SIDE of starter wire registers no voltage.

Note: Some vehicles have two starter wires. If so, cut both and connect to the alarm module.

F. Door Pin Switches (YELLOW or WHITE on 7-Pin Connector)

- *Circuit Verification* - Refer to **Vehicle Wire Color and Location Chart** for circuit type and location, or verify the vehicle wire using the following guideline:
 - *Positive Systems* - Target wire registers voltage when any door is opened.
 - *Negative Systems* - Target wire registers ground when any door is opened.

G. Illuminated Entry* (VIOLET on 3-Pin Connector)

7 TAB ONLY

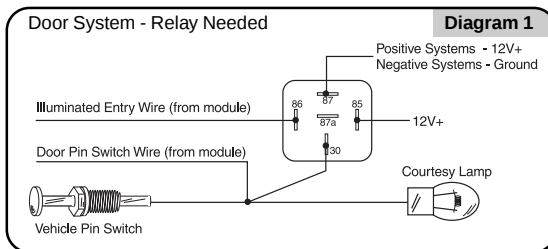
- *Circuit Verification* - Target wire is usually the door pin switch wire. Refer to section F for verification guideline.

*This wire may be used for Illuminated Entry OR Armed Output.

1. Installation

G. Illuminated Entry* (cont.) **7 TAB ONLY**

- Add a relay and connect as shown below:



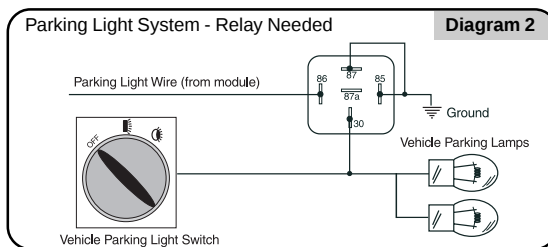
G. Armed Output* (VIOLET Wire on 3-Pin Connector) **7 TAB ONLY**

- Connect the VIOLET wire to a device requiring a ground signal when the system is armed.

H. Parking Lights (ORANGE/BLACK Wire on 3-Pin Connector)

- *Circuit Verification* - Refer to **Vehicle Wire Color and Location Chart** for circuit type and location, or verify the vehicle wire using the following guideline:
 - *Positive Systems* - Target wire registers voltage when parking lights are on.
 - *Negative Systems* - Target wire registers ground when parking lights are on.

Connections	Positive System	Negative System
7 TAB / 4 TAB	• Connect to Target wire	• Add relay (dia. 2)



I. Hood / Trunk Pin Switch (GREEN Wire on 7-Pin Connector)

- *Circuit Verification* - Refer to **Vehicle Wire Color and Location Chart** for circuit location, or install a pin switch and connect to the module GREEN wire.

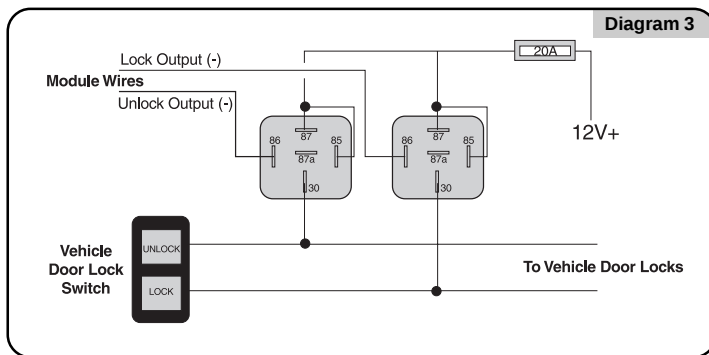
*This wire may be used for Illuminated Entry OR Armed Output.

1. Installation

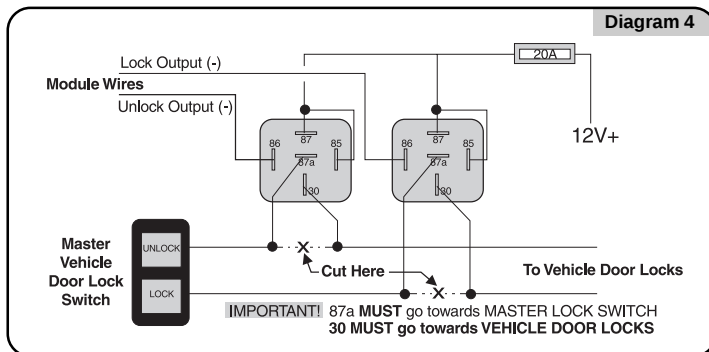
J. Power Door Locks (BLUE/BLACK and GREEN/BLACK) **7 TAB ONLY**

- **Circuit Verification** - Refer to **Vehicle Wire Color and Location Chart** for circuit type and location.

Connections	Type 1	Type 2	Type 3	Type 4	Other
7 TAB	Dia. 3	Dia. 4	Dia. 5	Dia. 6	See specifications in Vehicle Wire Color / Location Guide or call Technical Support



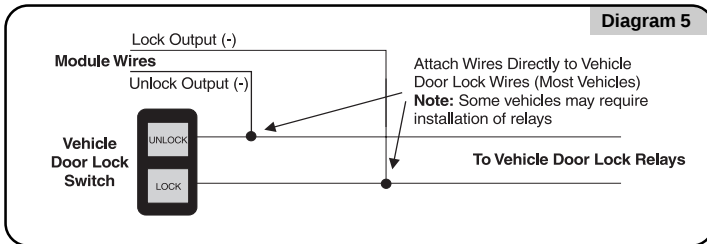
Type 1 - Positive 3-Wire Door Lock System



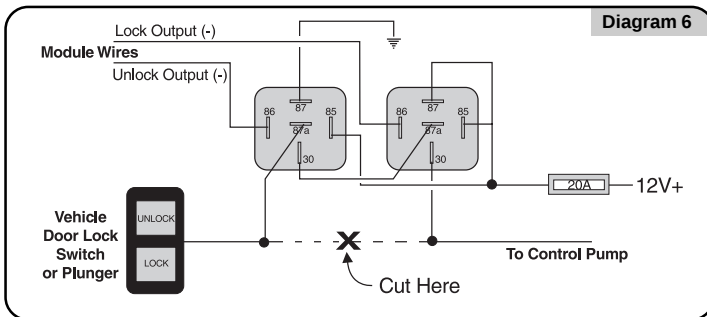
Type 2 - Positive 5-Wire Door Lock System

1. Installation

J. Power Door Locks (cont.) 7 TAB ONLY



Type 3 - Negative 3-Wire Door Lock System



Type 4 - Vacuum Door Lock System

K. Status Indicator (GRAY Wire on 7-Pin Connector)

- Locate a visible location on the dash with 1½" clearance.
- Drill ¼" hole and snap the status indicator in place.
- Connect the status indicator BLACK wire to the module GRAY wire.
- Connect the status indicator RED wire to a fused +12-volt source.

1. Installation

L. Trunk / Hatch Release (TAN) 7 TAB ONLY

Note: This output can be programmed to act as a trunk release output or auxiliary output.

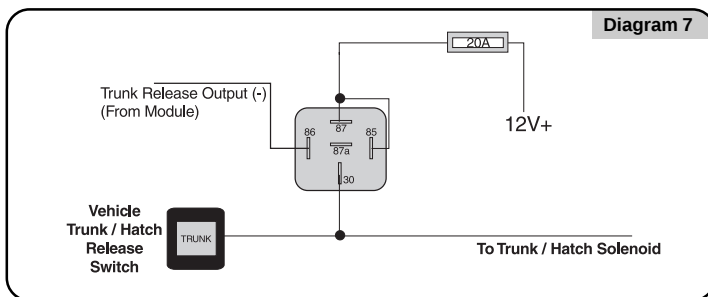
Trunk release: Alarm system will disarm when Option button is pressed

Aux. Output: Alarm system will not disarm

• **Circuit Verification** - Refer to **Vehicle Wire Color and Location Chart** for circuit type and location, or verify the vehicle wire using the following guideline:

- **Positive Systems** - Target wire registers voltage when the trunk / hatch is opened using the vehicle button.
- **Negative Systems** - Target wire registers ground when the trunk / hatch is opened using the vehicle button.

Connections	Positive System	Negative System
7 TAB	• Add Relay (dia. 7)	• Connect to Target Wire



M. Impact Detector

- Mount the impact detector to the steering column or a sturdy brace or wire harness.
- Plug the impact detector onto the 4-pin module connector.

Note: If the impact detector has only 3 wires, plug the sensor onto the 4-pin connector, leaving the pin closest to the large spade connectors exposed.

2. System Power-Up

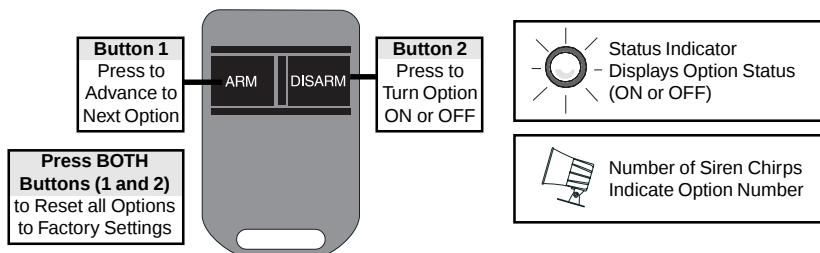
- Check all connections and wire routing.
- Turn ignition to the ON position.
- Replace the 20-amp fuse in the module RED wire.
- Turn the ignition off.

3. Programming Selectable Options

1. Make sure the system is disarmed and the ignition is off.
2. Without starting the vehicle, turn the ignition **ON, OFF, ON, OFF, then ON, at 1/2-second intervals.**

After two (2) seconds, the status indicator will begin flashing for Code Entry. Follow the **Code Entry Procedure** (page 10). If the correct code is entered, the siren will chirp twice, indicating entry into the Selectable Options Mode.

3. Press Button 1 on a programmed remote transmitter to begin option selections.



	Option Number and Description	Bold Type Indicates Factory Settings	Status Indicator	
			ON	OFF
7 TAB Only	1 Siren chirps when arming and disarming		YES	NO
	2 System arms automatically 60 seconds after last door is closed		YES	NO
	3 Doors lock when all doors are closed and ignition is turned on		YES	NO
	4 Doors unlock when ignition is turned off		YES	NO
	5 Trunk release output disarms alarm when activated		NO ¹	YES
	6 VIOLET wire is (1) Armed Output or (2) Illuminated Entry		(1)	(2)
	7 Doors lock when system arms automatically ²		YES	NO
	8 Door lock / unlock output duration is (1) 1/2 second or (2) 6 seconds		(2)	(1)

¹ 4-button transmitter required for output NOT to disarm alarm

² Ignore this option if Option 2 is NOT activated

Exit the Selectable Options Mode by turning the vehicle ignition on, then off.

Testing the Alarm System

Arming and Disarming

Close all doors and press ARM.

- All doors lock (7 TAB Only)
- Siren chirps two times / parking lights flash
- Status indicator flashes steadily

Press Disarm.

- All doors unlock (7 TAB Only)
- Siren Chirps once / parking lights flash
- Status indicator turns off
- Courtesy light turns on (if connected)

Alarm Triggering / Starter Interrupt / Trip ID / Lock Options

Arm system. Wait 10 seconds, then open door.

- Siren sounds / parking lights flash

With siren sounding, attempt to start vehicle.

- Vehicle will not start

Testing the Alarm System (cont.)

Wait until siren stops, then press DISARM.	• Siren chirps / parking lights flash 4 times (System was triggered)
Press DISARM again.	• Siren chirps two times (System was triggered by door)
Close doors and attempt to start vehicle.	• Vehicle starts
	• Doors lock (if Ignition Lock Option is activated)
Turn ignition off	• Doors unlock (if Ignition Unlock Option is activated)

Trunk Release / Auxiliary Option (7 TAB Only)

Press and hold DISARM (2-button) or press TRUNK/OPTION (4-button).	• Trunk opens or aux. device activates
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Panic

Press both buttons (2-button) or press PANIC (4-button) for one second	• Siren sounds / parking lights flash for 30 seconds. Press either button to stop.
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Passive Arming (Test only if Passive Option is activated)

Enter vehicle and close doors. Turn ignition on for five seconds, then turn off. Exit vehicle and close doors.	• Alarm arms one minute after door is closed
	• (7 TAB) Doors lock (if Passive Lock Option is activated)

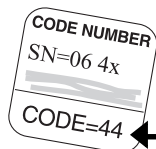
Valet (Test only if Passive Option is activated)

With system disarmed, turn ignition on, then press DISARM.	• Status Indicator Flashes twice (enters Valet Mode)
Turn ignition off.	• Status indicator emits a double-blink pattern.
Close all doors and press ARM.	• Double-blink pattern stops, and system arms.

Antenna Placement

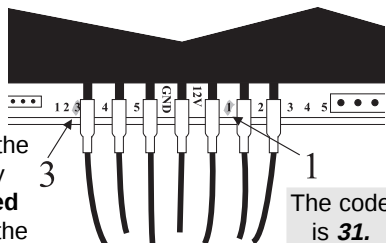
- 1a. If the module has a short antenna (approx. 8"), keep the antenna as straight as possible, and route away from vehicle harnesses.
- 1b. If the module has a long antenna, completely uncoil the antenna and route up the nearest front window pillar to the headliner. Be careful not to pinch the antenna under vehicle panels, or route near moving parts.
2. For optimum performance, allow the clear plastic portion of the antenna to remain exposed, in the corner of the window or behind the rear-view mirror.

Note: Before mounting the module, write the alarm code in the space provided on the front of the Owner's Manual.



The code is on a sticker on the back of the module.

If there is no sticker, the code can be found by looking for the **marked digits** at the front of the alarm circuit board.



The code is **31**.

Programming Remote Transmitters

Note: Each system module has four “slots”, or memory locations, to store remote transmitter codes, giving it the ability to operate from up to four remote transmitters. For proper operation, a transmitter code must be stored into each memory slot. When using less than four transmitters, follow the suggested programming parameters:

- **One Remote Transmitter** - Program four (4) times
- **Two Remote Transmitters** - Program each transmitter two (2) times
- **Three Remote Transmitters** - Program one transmitter twice, and each remaining transmitter once.

1. Make sure the system is disarmed and the ignition is off.
2. Without starting the vehicle, turn the ignition **ON, OFF, then ON, at 1/2-second intervals.**

*After two (2) seconds, the status indicator will begin flashing for Code Entry. Follow the **Code Entry Procedure** (below). If the correct code is entered, the siren will chirp twice, indicating entry into the Transmitter Programming Mode.*

3. Wait 5 seconds. Press Button 1 on the transmitter to be programmed.

The siren will chirp once, indicating that the system has “learned” that transmitter.

4. Repeat step 3 for any additional transmitters or transmitter codes.
5. Exit the Transmitter Programming Mode by turning the vehicle ignition on, then off. Test all remote transmitters to ensure that they work properly.

Code Entry Procedure

1. Enter the Code Entry Mode by following the steps in the **Programming Remote Transmitters** or **Programming Selectable Options** sections of this manual.

The status indicator will begin flashing for Code Entry.

2. Look at the first number in the code. Allow the status indicator to flash the corresponding number of times as the first number in the code.
3. After the status indicator has flashed the corresponding number of times, turn the vehicle ignition off. The first number has been entered.
4. Turn the ignition back to the ON position. The status indicator will again begin flashing. Repeat the procedure in steps 2 and 3, this time using the second number in the code.
5. After the second number has been entered correctly, the alarm will disarm, or enter the desired programming mode.

Note: If you enter an incorrect digit, turn the vehicle ignition off, then on. When the status indicator begins to flash, re-enter the code from the beginning.

Example: The code is **23**.

1. Enter the Code Entry mode.
2. Allow the status indicator to flash **two (2) times**. After the second flash, turn the vehicle ignition off.
3. Wait one second, then turn the ignition on.
4. Allow the status indicator to flash **three (3) times**. After the third flash, turn the vehicle ignition off.