

GARGOYLE III

CS-9703DC

REMOTE CONTROL ALARM SYSTEM INSTALLATION & OPERATION INSTRUCTIONS

INTRODUCTION

This system features DYNAMIC CODE Transmitters, the most secure remote control technology available. This means the remote control code changes with every use of the transmitter making it impossible to scan or record the code for use later on.

There are two types of features of the system.

Primary: These features **MUST BE CONNECTED** for proper system operation.

Optional: These features connected only if desired. All optional features are marked "OPTIONAL".

As the installation progresses you may connect any "Optional" features of the system. Optional features are listed with primary features only when they effect the operation of the primary feature.

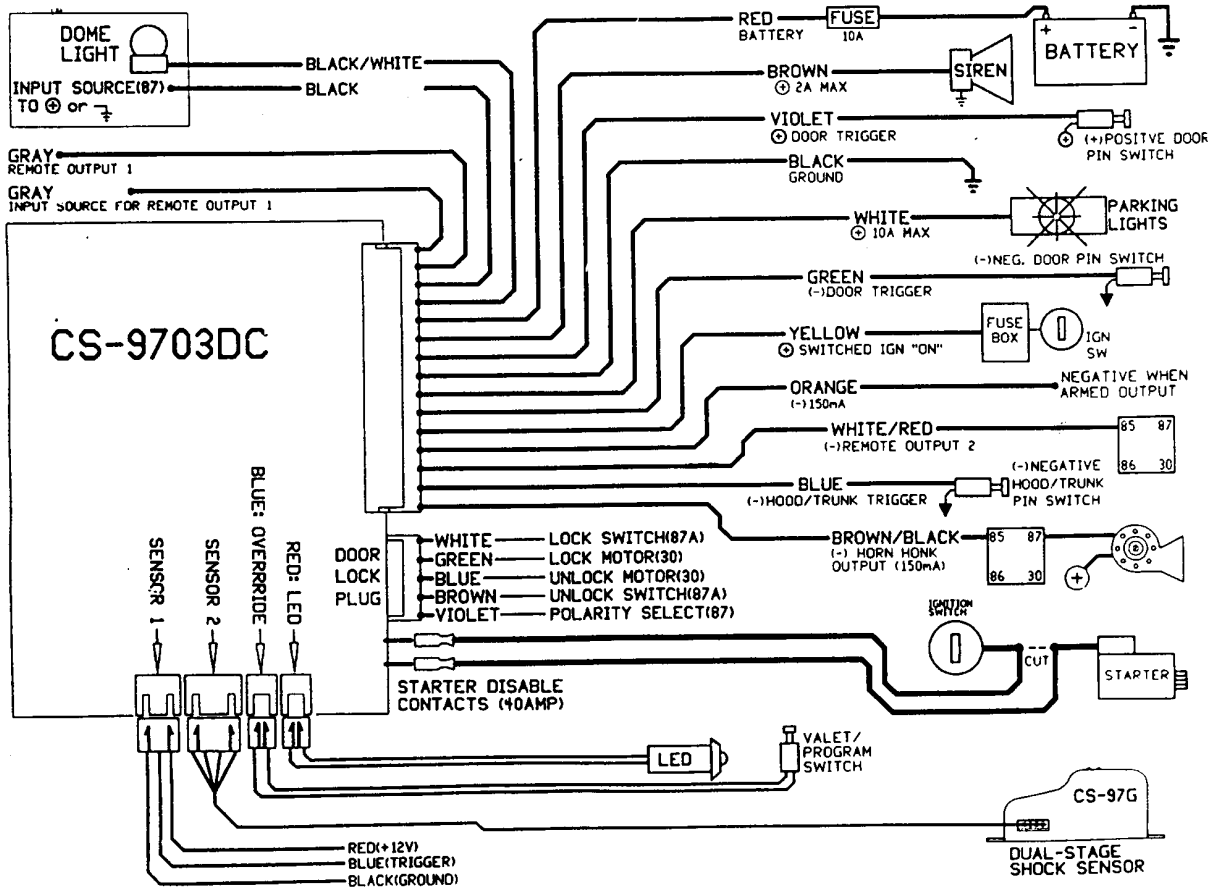
We hope this brief introduction helps eliminate confusion when installing your system. Should you experience trouble during installation, tech support is available by calling:



1 (800) 998-6880

Monday - Friday 8:00am - 4:30pm Pacific Time

This device complies with FCC Rules part 15. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modification could void the user's authority to use the equipment.



ALARM CONTROL MODULE MOUNTING

The alarm should be mounted in a concealed location. Placement will effect the distance from which the transmitter can control the unit. Because the RF receiving antenna extends from the module, the wire antenna should be routed at least 1/2 inch away from the nearest metal. **DO NOT** alter the length of antenna wire or route it with any other wiring.

!!! DO NOT GROUND THE ANTENNA WIRE !!!

MOUNTING LOCATIONS

DO NOT MOUNT ALARM CONTROL MODULE IN ENGINE COMPARTMENT

UNDERDASH MOUNTING: If locating the control module underdash, the unit should be placed as high as possible, not easily accessible by an intruder.

DRIVER'S SIDE underdash mounting provides easy location for wiring, **BUT** this side usually is a common location where thieves would look for a unit. **ALSO**, the left side of the dash has more metal and wiring which could cause decreased remote control range. **ALWAYS PLACE UNIT AS HIGH AS IS POSSIBLE FOR BEST CONCEALMENT AND OPERATING RANGE.**

PASSENGER SIDE underdash mounting is often the best location for operating range and concealment. Removing the glove box often reveals excellent mounting locations for the control board. Extra wiring may be required to route wiring across the dash area.

UNDERSEAT MOUNTING: This location may be used, however it may not be an advantage for the following reasons:

- 1) The seat is made of steel framework and springs, this blocks RF and the low mounting location also limits RF receiving.
- 2) The control unit can be exposed to excessive moisture from water and spilled drinks. This moisture stays in the carpet padding causing corrosion to the circuit board which is not cover by our warranty.

MOUNTING COMPONENTS

SIREN MOUNTING

Mount Siren as high as possible so as not be accessible outside or underneath the vehicle. Make sure siren is mounted so that it points downward to prevent water from accumulating inside the cone. **DO NOT MOUNT NEAR EXHAUST MANIFOLD OR ANY OTHER EXCESSIVE HEAT SOURCE.**

LED MOUNTING

LED should be located in a visible location on the dashboard or console. Many vehicles now have small knockout panels which provide excellent locations for LEDs. **DRILL A 11/32" HOLE IN CHOSEN LOCATION**, route LED wires through hole and press LED firmly in place.

EMERGENCY DISARM/VALET SWITCH MOUNTING

This switch is multi-purpose. It is used for emergency override, valet and programming. Mount switch in passenger compartment in a hidden location. The user **MUST** be able to access this switch in an emergency.

DRILL A 9/32" HOLE IN CHOSEN LOCATION.

When mounting the switch, make certain there is enough room on the back side so that the switch wires will not accidentally short out on any metal. Use the supplied nuts and washers to secure the switch in place.

MOUNTING COMPONENTS

SHOCK SENSOR MOUNTING

DO NOT MOUNT SHOCK SENSOR IN ENGINE COMPARTMENT, the sensor is not environmentally sealed and will eventually fail to operate.

Mount Shock Sensor under the dash board in a location which is hidden from direct view, but accessible for adjustment.

Recommended Mounting locations include:

Dashboard Support Strut Steering Wheel Column
Underdash Wire Harness Interior Firewall
Heater/Air Conditioning Box/Ducting

These are only recommendations. There may be other locations or positions that may be better suited to your application. Some of the locations above will provide better sensitivity than others depending on your particular vehicle, and what you are most interested in protecting.

DO NOT MOUNT SENSOR TO ANY PANEL THAT WILL DETECT RELAY CLICKING OR RESONATE FROM SIRENS OR THERMOSTATIC COOLING FANS THAT REMAIN ON AFTER ENGINE IS OFF.

RECOMMENDED METHOD OF MOUNTING:

Attach Sensor solidly to the chosen location using screws, or wire ties.

DO NOT USE VELCRO/DOUBLE SIDED TAPE - THIS WILL INSULATE SENSOR RESULTING IN ERRATIC AND INCONSISTENT OPERATION.

DO NOT USE SCREWS IF ATTACHING SENSOR TO STEERING COLUMN

WIRING

MAIN HARNESS: 15 PIN: 18 GA. WIRES

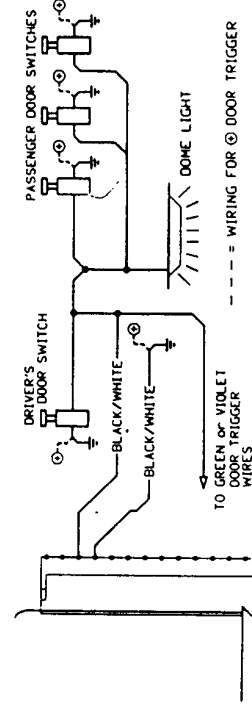
PIN 1: GRAY/WHITE WIRE: INPUT SOURCE FOR REMOTE OUTPUT 1 RELAY
Connect this wire to either +12 Volt power or chassis ground, depending on the output required for the GRAY wire.

PIN 2: GRAY WIRE: REMOTE OUTPUT 1 On-Board Relay (optional)

Connect directly to device to be activated. This output will provide a momentary signal when button 2 is pressed. The polarity of the output is dependent on the connection of the GRAY/WHITE wire.

PINS 3&4: BLACK/WHITE WIRES(2): DOME LIGHT ILLUMINATION (On-Board Relay)
Connect the Black/White wires to the Dome Light wire (may also be connected at the same point as the Door Pin Switch Input). Connect the other Black/White wire to the correct polarity source for the circuit. This output will activate whenever the alarm system is Disarmed with the transmitter. This output also flashes the dome light when an alarm trigger occurs.

See diagram below for proper relay wiring.



WIRING

MAIN HARNESS: 15 PIN: 18 GA. WIRES

PIN 5: RED WIRE: +12 VOLT POWER

Connect to Constant +12 Volt power source with supplied In-Line 10 Amp fuse and Fuse Holder.

PIN 6: BROWN WIRE: + SIREN OUTPUT

Connect BROWN wire of Control Module to Siren RED wire. Ground BLACK wire of Siren to Chassis ground (body metal).

PIN 7: VIOLET WIRE: (+)DOOR PIN SWITCH INPUT

Connect to door switches which go to +12 volts when door is opened. A (+)Positive door switch wire will read (-)ground when doors are closed.

PIN 8: BLACK WIRE: CHASSIS GROUND

Connect to body metal of the vehicle using a sheet metal screw.

PIN 9: WHITE WIRE: +12V FLASHING PARKING LIGHT OUTPUT (optional)

Connect to any Parking Light or to the Parking light output at the back of the Headlight switch. !! DO NOT CONNECT TO DASH DIMMER CIRCUIT !!

PIN 10: GREEN WIRE: (-)DOOR PIN SWITCH INPUT

Connect to door switches which go to ground when door is opened.

A (-)Negative door switch wire will read +12 volts when doors are closed.

PIN 11: YELLOW WIRE: IGNITION SWITCHED "ON" and "START" +12 VOLTS

Connect to an Ignition wire (or fuse in the fuse box) that shows +12 Volts when the key is in Both the "On" and "Start" positions.

PIN 12: ORANGE WIRE: (-)NEG. ARMED OUTPUT (optional)

This wire can be used for an additional starter disable or trigger scanner LED's and Window roll-up modules

PIN 13: WHITE/RED WIRE: REMOTE OUTPUT #2

Connect this wire to Terminal #85 of a relay or directly to the input trigger wire of a Remote Start Control Module.

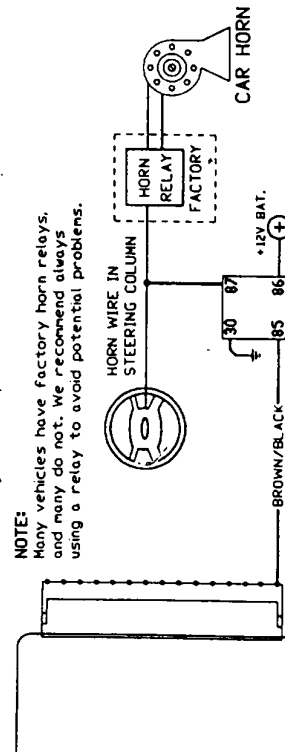
PIN 14: BLUE WIRE: (-) HOOD/TRUNK PIN SWITCH INPUT

Connect to pin switches which go to ground when hood and trunk are opened. It may be necessary to install your own switches.

PIN 15: BROWN/BLACK WIRE: (-) NEGATIVE HORN HONK OUTPUT (requires relay)

This wire provides a pulsed 150mA negative output for honking the vehicle's car horn when the alarm is triggered. Connect this wire to horn wire in the steering column or to terminal #85 of a relay to activate the horn.

NOTE: Some vehicles horns operate only with ignition on. This will require the horn circuit be rewired in order for the alarm system to operate the horns.



WIRING

SENSOR PLUG 1: 3 PIN: 22 GA. OPTIONAL

BLACK WIRE: SENSOR GROUND

BLUE WIRE: NEG. TRIGGER

RED WIRE: SENSOR +12V POWER

The OPTIONAL sensor (when purchased) requires no additional wiring, simply mount the sensor in a suitable location and plug in. Adjust sensitivity as necessary.

SENSOR PLUG 2: 4 PIN: 22 GA.

WHITE WIRE: NEG. WARN-AWAY

BLACK WIRE: SENSOR GROUND

BLUE WIRE: NEG. TRIGGER

RED WIRE: SENSOR +12V POWER

This sensor (supplied with system) requires no additional wiring, simply mount the sensor in a suitable location and plug in. Adjust sensitivity as necessary.

LED and OVERRIDE/VALET SWITCH PLUGS: 2 PIN: 22 GA.

Connect LED plug and EMERGENCY OVERRIDE SWITCH plug to the appropriate header on the board. The plugs and sockets are color-coded to match one another.

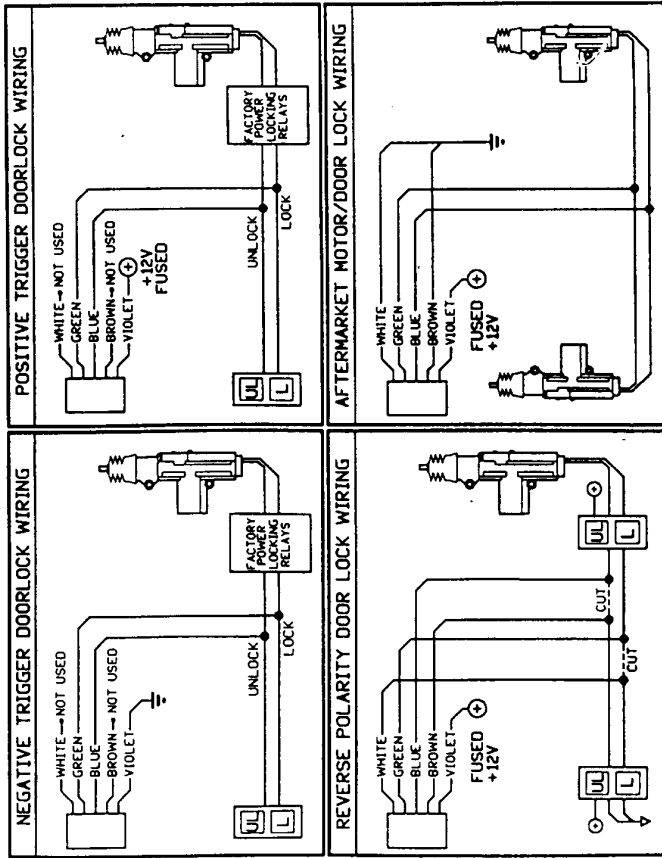
WIRING

POWER DOOR LOCKS (optional)

DOOR LOCK PLUG: 5 PIN: 18 GA. (On-Board Relays)

- WHITE WIRE:** Lock Switch side. For use with Reverse Polarity & Aftermarket Systems
- GREEN WIRE:** DOOR LOCK OUTPUT. Connect to Lock Motor side for Reverse Polarity or Connect to factory lock relay wire.
- BLUE WIRE:** DOOR UNLOCK OUTPUT. Connect to Unlock Motor side for Reverse Polarity or Connect to factory unlock relay wire.
- BROWN WIRE:** Unlock Switch side. For use with Reverse Polarity & Aftermarket Systems
- VIOLET WIRE:** Common Input. Connect to +12V CONSTANT for activating positive, reverse polarity, and aftermarket door locking systems. Connect to GROUND for negative trigger systems.

POWER DOOR LOCK WIRING DIAGRAMS



PROGRAMMING

DIP SWITCH PROGRAMMING

There are 4 Dip switches under the access door of the control module for point of installation programming.

DIP SWITCH #1: DOOR LOCK/UNLOCK PULSE TIME

ON: PULSE TIME = .75 SECOND
OFF: PULSE TIME = 3 SECONDS

DIP SWITCH #2: IGNITION CONTROLLED LOCK/UNLOCK

ON: LOCK/UNLOCK WITH IGNITION
OFF: NO LOCK/UNLOCK WITH IGNITION

DIP SWITCH #3: PASSIVE ARMING LOCKS

ON: DOORS LOCK WHEN SYSTEM ARMS PASSIVELY
OFF: DOORS DO NOT LOCK WHEN SYSTEM ARMS PASSIVELY

DIP SWITCH #4: PASSIVE / ACTIVE ARMING SELECT

ON: ALARM ARMS AUTOMATICALLY 30 SEC. AFTER LAST DOOR CLOSED.
OFF: ALARM ARMS ONLY WITH REMOTE CONTROL (ACTIVE)

PROGRAMMING

TRANSMITTER PROGRAMMING

This system uses Code Learning to learn up to 3(three) different transmitter codes.

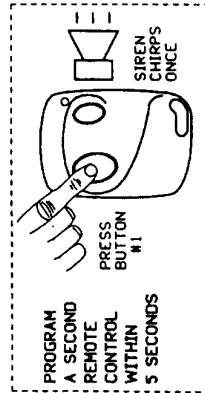
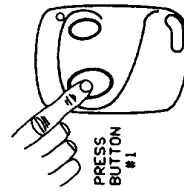
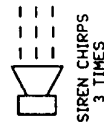
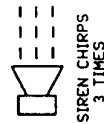
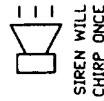
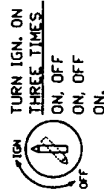
TO PROGRAM TRANSMITTERS TO ALARM:

- 1) Turn Ignition switch ON then OFF 3 times quickly (on/off, on/off, on) until siren chirps once. Leave Ignition ON.
- 2) Push and HOLD the Valet switch. The siren chirps 3 times.
- 3) Press BUTTON #1 on transmitter - siren chirps once to confirm programming. Press Button #1 on another transmitter within 5 seconds to program a second remote control.

NOTE 1: If only one transmitter is being programmed, continue holding Button #1 until Siren chirps a second time. This means the system has exited program mode. Hold the transmitter button until the Siren chirps the second time to prevent authorized code and noise from entering the system.

NOTE 2: Program Mode is exited automatically after 5 seconds of last code transmission or once three new codes have been programmed. System will DISARM after programming. Disarm using any valid transmitter.

4) TURN IGNITION OFF.



IMPORTANT NOTE: WHEN PROGRAMMING, ALL REMOTES MUST BE RELEASED

OPERATION

JOY-RIDE MODE

Press Button #2 within 2 seconds after Arming Alarm. Disables all alarm triggers, but maintains starter disable. Prevents someone from starting the car, even with the key. LED flashes showing an ARMED condition. Disarm system normally to turn off this mode.

AUDIBLE/VISUAL INDICATORS

ALARM STATUS	SIREN SOUNDS	PARKING LIGHTS	STATUS LED
ACTIVE ARMED	1 CHIRP	1 FLASH	SOLID/SLOW
PASSIVE ARMED	4 CHIRPS	4 FLASHES	FAST/SLOW
ARMED W/FAULTY ZONE	2 CHIRPS	2 FLASHES	SLOW
DISARMED	3 CHIRPS	3 FLASHES	OFF
INTRUSION ALERT	CONSTANT	FLASHING	FAST
ALARM TRIGGERED	CONSTANT	FLASHING	FAST
PANIC MODE	NO CHIRPS	NO FLASH	SOLID
VALET MODE (SWITCH)	2 CHIRPS	3 FLASHES	SOLID
VALET MODE OFF	6 CHIRPS	NO FLASH	SOLID
SERVICE MODE	5 CHIRPS	NO FLASH	SOLID
PRE-WARNING TRIGGER			

OTHER PROGRAMMABLE OPERATING FEATURES

IGNITION AUTOLOCK/UNLOCK

This feature will automatically lock a vehicle, which is equipped with power locks, whenever the ignition is turned to the "on" position. If, however a door is open at the time of ignition "on", the door will not lock, preventing the user from ever getting locked out of his/her vehicle. This feature can be turned off.

Consult your installing Dealer!

AUTOMATIC REARM (FAIL-SAFE PROTECTION)

This user programmable feature designed to protect your vehicle in the event of and accidental disarm. If your alarm is disarmed, AND you do not enter the vehicle (open the door) within 30 seconds, the system will automatically Re-Arm the alarm.

To enable this feature:

- 1) Turn Ignition "on"
- 2) Press transmitter button #1 for 3 seconds until the siren chirps once. Automatic Rearm enabled.

To disable this feature:

- 1) Turn Ignition "on"
- 2) Press transmitter button #1 for 3 seconds until the siren chirps twice. Automatic Rearm disabled.

OPERATION

ALARM TRIGGERING

If the vehicle security is violated, the system will activate by:
Sounding the siren continuously, and Flashing the Parking Lights for 40 seconds, at which time the system will shut off and automatically RE-ARM, to continue protecting the vehicle.

INTRUSION ALERT

When you return to vehicle, if the alarm has been triggered, the LED will be flashing rapidly. When you DISARM the alarm the siren will chirp 3 TIMES (& 3 Light Flashes) to indicate a violation has taken place. Carefully inspect your vehicle to determine if an actual theft has occurred.

DEFECTIVE ZONE BYPASS

When the alarm is armed, if a zone triggers the alarm and then the zone stays triggered (e.g. a door is opened and left open), the alarm will continue sounding for 2 cycles (2 - 40 second alarm triggers). Upon DISARMING, the system inform you of an alarm trigger with the INTRUSION ALERT.

VALET MODE

This feature disables the alarm so it can not be operated or Armed. However, all other remote features such as: Remote power locks and Trunk Pop will continue to operate.
To ENTER Valet Mode: Turn Ignition to ON, Within 10 seconds, Press and Hold Valet switch for 5 seconds, the LED will light solid. You are now in VALET.

To EXIT Valet Mode: Turn Ignition to ON, Within 10 seconds, Press and Hold Valet switch for 5 seconds, Siren will chirp twice and LED will light turn off.

TEMPORARY VALET/SERVICE MODE

This feature allows you to temporarily Valet the system. This is useful when fueling and loading the vehicle. It is turned On/Off using the transmitter.

To ENTER Service Mode through the remote: Press Button #2 for ¼ second and then Press and hold Button #1 for 3 seconds.
Siren will rapidly chirp 6 times and LED will light solid.

To EXIT Service Mode: Simply press Button #1 of the remote.

EMERGENCY OVERRIDE/DISARM

In the event that you are unable to disarm the alarm with the remote control (lost or inoperative), follow the procedure below:

- 1) Open the door, the alarm will trigger/sound.
- 2) Turn the Ignition "ON"
- 3) Press and HOLD the Valet/Override Button for 5 seconds until the alarm turns off and the LED turns SOLID.

You may now start your car. CONSULT YOUR DEALER FOR SERVICE.

REMOTE CHANNEL 1 OUTPUT

Press and hold Tx Button 2 about 1 second. The output will activate for as long as you continue to hold the button down. This button will also disarm the alarm (if it is armed) which is handy for popping the trunk and disarming the system with a single button press.

REMOTE CHANNEL 2 OUTPUT

Press Tx Buttons 1 & 2. The output will activate as long as you continue to hold both Buttons. This output is typically used for trunk release or remote engine starting.

OPERATION

This system has been designed with an automatic delays of 10 seconds on all trigger points so that the vehicle electronics have a chance to stabilize before being fully armed.

ACTIVE ARMING MODE:

Press Button #1 once momentarily. Alarm arms and confirms with:

- 1 Siren chirp
- Lights Flash Once
- LED lights solid then starts flashing slowly
- Power Locks will Lock (if equipped).
- Starter circuit disabled (optional).

DISARMING

Press Button #1 once momentarily. Alarm Disarms and confirms with: 2 Siren chirps
Lights Flash Twice
LED flashes fast
Power Locks will Unlock (if equipped).
Starter circuit enabled (optional).

SILENT ACTIVE ARMING/DISARMING MODE

To activate Silent Arm/Disarm mode:
Turn Ignition ON, then within 10 seconds Press Button #2 for 3 sec. Siren will emit a "double" chirp - Silent Arm/Disarm Mode is ON
System will operate same as above, but without siren chirps. Alarm will remain "chirpless" until Silent mode is deactivated.

To DE-activate Silent Arm/Disarm mode:
Turn Ignition ON, within 10 seconds Press Button #2 for 3 sec.
Siren will emit 2 "double" chirps - Silent Arm/Disarm Mode is OFF
System will now respond with chirps.

PASSIVE ARMING MODE: OPTIONAL

* Must be programmed - Consult your installing Dealer!

When exiting the vehicle, upon closing the last door there will be a 30 second delay before arming. The LED will be flashing rapidly indicating the system is in passive arming mode. After the Delay, the system will arm and confirm with:

- 1 Siren Chirp, Lights Flash Once
- LED starts flashing slowly
- Power Locks will Lock (if passive locking is selected).
- Starter circuit disabled (optional).

DEFECTIVE ZONE ALERT

If the siren chirps 4 times (lights will flash 4 times also), 30 seconds after the arming chirp, A faulty or open zone has been detected and is automatically bypassed. Contact your dealer for immediate service.

REMOTE PANIC MODE

To activate PANIC MODE, Press Button #1 for 3 seconds until the siren and lights of the alarm system activate. The siren and lights will stay activated for 40 seconds or until Button #1 is pressed again.

REMOTE SENSOR DEFEAT

Press Buttons 1 & 2 within 3 seconds after Arming the alarm with Button 1. You will hear One Chirp. Sensor circuits are OFF. Sensor will automatically turn back ON when system is Disarmed and then Armed again.

