

MODEL EX-8000
REMOTE CONTROL AUTO ALARM SYSTEM
INSTALLATION & OPERATION INSTRUCTIONS

INTRODUCTION

This alarm system will provide years of dependable operation. Yet, the quality and longevity of the system is determined by the installation. For information on operating the system, read the operation instruction.

IMPORTANT POINTS FOR ALARM INSTALLATION

ALWAYS: It is strongly suggested that a voltmeter be utilized for checking all electrical circuit in your vehicle instead of common test light! test lights can cause vehicle computer damage if the wrong wires are probed and can cause air bag systems to activate (deploy).

ALWAYS: Disconnect the car battery before connecting work on the vehicle.

ALWAYS: Check behind panels before drilling any holes. Ensure that no wiring harness or other components are located behind the panels that would otherwise be damaged.

ALWAYS: Use conventional crimp lock, bullet on any wiring. Poor wiring, i.e. taped joints will possibly introduce unreliability into the alarm system and may result in false alarms or incorrect operation.

ALWAYS: Install wiring neatly under carpets or behind trim to prevent possible damage to wires.

IMPORTANT: For the wire operate the current more than 10A. We suggest soldering all connection point. Do not use crimp lock type connectors or wire nuts. This alarm has been designed to keep installation as simple as possible. However, in the event of any difficulties experienced, please seek the advice of a qualified person. For someone who is not familiar with automotive electrical installation methods and procedures, we would strongly advise that they seek qualified advice before proceeding.

Before connecting with the wiring of the vehicle, it is best to read the instruction carefully to understand where each individual wire be run to.

INSTALLATION

A. MOUNTING THE SIREN:

1. In the engine compartment, place the siren in a location suitable for best sound results. Be careful not to mount the unit near exhaust manifolds or other "hot" equipment and moisture area.

NOTE: Preferred siren position is facing forward (toward front of vehicle). Siren **SHOULD NOT** be face up.

2. Mark and drill three holes to mount the siren.
3. Route the siren cable through the fire wall to the control module.

B. MOUNTING CONTROL MODULE:

Mount the control module in the underdash area where easy reach yet secure. The module should mount in as high a position as possible. Fixed the module with tie-wraps or screws. Ensure the module completely secure and will not rattle or come loose.

NOTE: Antenna placement is very important! Ensure that it is unwrapped and stretched out at least 6" straight. Best possible location is along the head-liner above a door opening, keep away from metal. Since metal will interference receiver's capability.

C. INSTALLING THE LED STATUS INDICATOR:

The led indicator status should be mounted in a highly visible area such as top of the dashboard, on top of the shifter console or on dashboard face. Leave at least 5/8" space behind the mounting location for LED housing. Once a suitable location is chosen, drill a 5/16" hole. Run the LED wires through the hole then press the LED housing into the place. Route the LED wires to the control module.

D. INSTALLING THE OVERRIDE/VALET SWITCH:

Mount the override/valet switch in a hidden but accessible location. Drill a 1/4" hole at the location chosen and use the nut and lock washer provided to secure the override/valet switch. Route this wires to the control module.

E. INSTALLING HOOD/TRUNK PIN SWITCHES:

To protect the hood, use the gold fully adjustable pin switch provided. Examine the perimeter of the hood seal and radiator, looking for a flat surface sheet metal. Drill a 9/32"(7mm) hole to mount the pin into where it will make contact with the hood's lid when the lid is close. To protect the trunk, examine the perimeter of the trunk seal and locate a flat surface sheet metal to mount the self-tapping pin. Drill a 1/4" hole and use a 7/16" or 11mm socket to self-tap the pin switch into place.

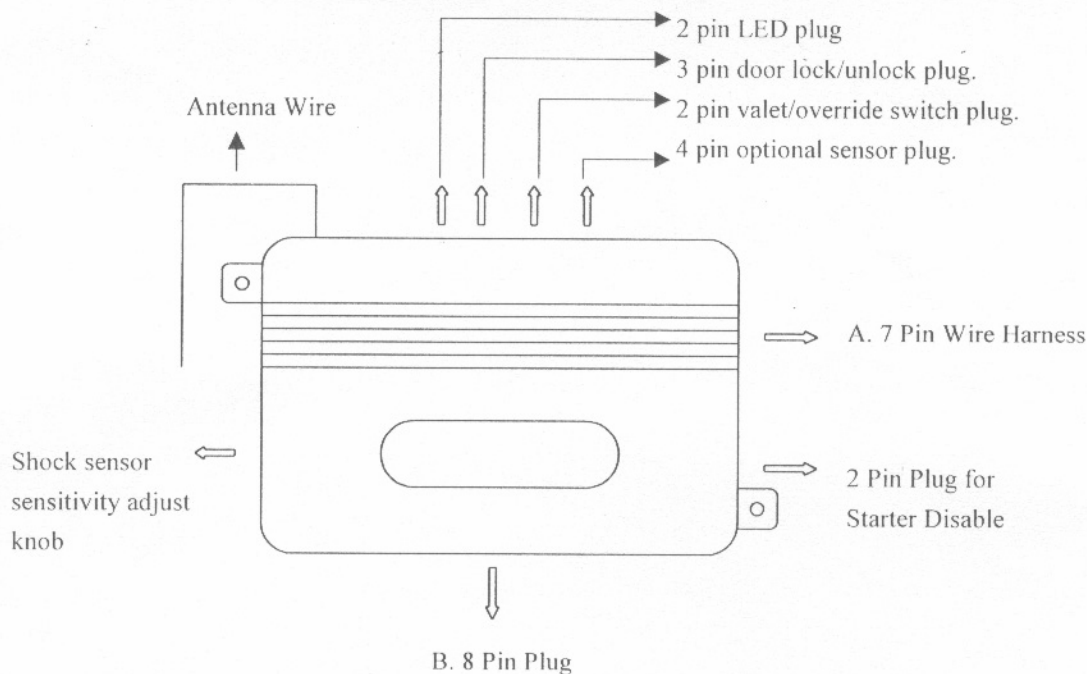
Note: 1. The pin switch must be mount to a good chassis ground.

Note: 2. If the system is set up as current sensing, the trunk and hood light (if equipped) will trigger the system when the openings are lifted. there is no need to install pin switches.

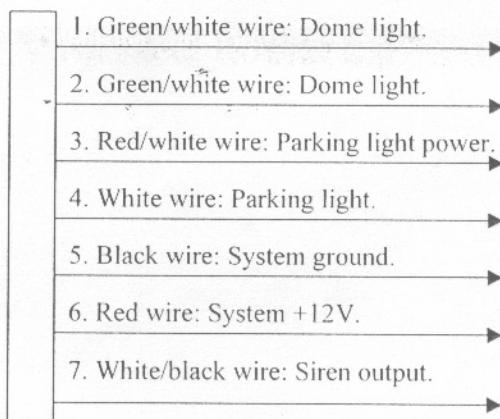
F. DECALS

Peel the decals from the paper backing and apply them to the inside of your vehicle's window. these are an effective deterrent to thief. Most thieves pass by vehicles which are equipped with security system.

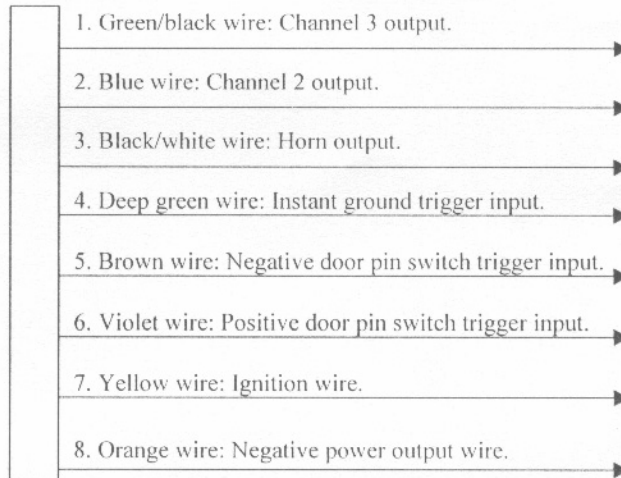
WIRING and DIAGRAM



A. 7 Pin Plug :

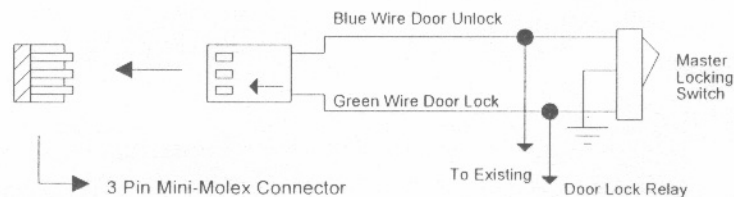


B. 8 Pin Plug :

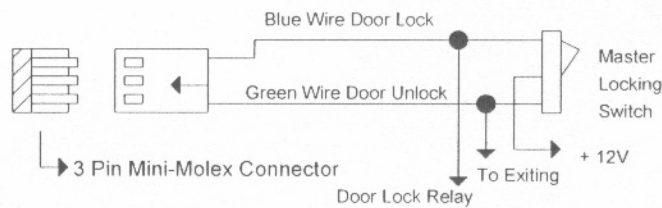


3 Pin door lock / unlock connection:

1). 3-Wire "Negative Trigger" Power Lock System.



2). 3-Wire "Positive Trigger" Power Lock System.



PROGRAMMING & ADJUSTMENT

A. PROGRAMMING THE TRANSMITTER CODES:

It is important to remember that during programming, each individual step of the procedure must be executed within 15 seconds of the previous step. When the 15 seconds time limit is allowed to expire, the system will automatically exit program mode. This is indicated by a chirp from the siren.

Or after you learn all channels, turn valet switch " on / off " the system will exit program mode.

1. Enter the Programming Mode :

- First the system should be in disarm condition, then turn ignition switch off then on.
- Turn valet switch 'on / off' three times. You will hear one chirp, one flash sequence from LED. Indicating the system is ready to program channel 1.

2. Programming the Transmitter Codes: (Each channel can learn up to 4 different transmitters.)

- a. **Channel 1 programming:** Press the first transmitter's button 1 until the siren gives a confirmation chirp. It is programmed. By apply the same procedures, you can program up to 4 transmitters in channel 1.
 - b. **Channel 2 programming:** After you finished programming channel 1. Turn valet switch 'on / off', there will be one chirp and two flash sequence from LED. Indicating the system is ready to program channel 2. Press first transmitter's button 2 to program channel 2. Programming procedure is the same as above.
 - c. **Channel 3 programming :** After you finished programming channel 2. Turn valet switch 'on / off', one chirp and three flash sequence from LED. Press first transmitter's button 3 to program channel 3. Programming procedure is the same as above.
3. Exit the programming transmitter's mode:
- a. During programming, if you don't respond to previous step in 15 seconds,
 - b. Or finished programming channel 3 then turn valet switch " on / off " the system will exit program mode, which indicates by a chirp.

B. PROGRAMMING SYSTEM FEATURES:

This system has 9 stages programming features to select.

1. Enter programming feature mode:
 - a. Turn the ignition switch 'on' then 'off'.
 - b. Within 15 seconds turn the valet switch 'on - off' three times. You will hear a chirp.
 - c. Again turn the ignition switch 'off', it will be a long chirp, then immediately turn ignition 'on' it will be one chirp, and LED begins to one flash pause sequence. It is on first stage feature programming.
2. Feature programming:
 - a. Press first button to select the feature, each time press the button the feature will change, and with cycle.
 - b. Turn valet switch 'on -off' , to select the stage. After turning the valet switch multiple times the LED will show up the same feature stage to confirm what feature stage you are in.

Stage	Valet Switch	LED flash	Features	First button 1 press	Second button 1 press	Third button 1 press
				1 chirp	2 chirps	3 chirps
1		1 flash	Active/Passive	Passive	Active	X
2	On-off	2 flashes	Ignition on door lock	ON	OFF	X
3	On-off	3 flashes	Ignition off door unlock	ON	OFF	X
4	On-off	4 flashes	Passive door lock	ON	OFF	X
5	On-off	5 flashes	Siren chirp	ON	OFF	X
6	On-off	6 flashes	Horn chirp	ON	OFF	X
7	On-off	7 flashes	Door lock timer	0.8 sec.	3.5 sec.	Double 0.8 sec.unlock
8	On-off	8 flashes	Channel 3	1 sec. pulse	Constant	X
9	On-off	9 flashes	Car-jacking	ON	OFF	X

3. Exit programming feature mode:
 - a. During programming, if you don't respond to previous step in 15 seconds,
 - b. Or any time the ignition key is turn off it will exit programming feature mode, which indicates by a long chirp.

OPERATION INSTRUCTION

A. TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
Button 1	Arm & lock the doors or disarm & unlock the doors	
Button 1	Silent arm & lock or silent disarm & unlock the doors.	Keep press button 1 over 1 second.
Button 1	Panic function	Keep press button 1 over 3 seconds.
Button 1	Lock or Unlock the door	In VALET mode
Button 1 - 1	2 steps door unlock	System in arm condition press button 1 twice.
Button 2	Pop trunk release / channel 2 output	Keep press button 2 over 2 seconds.
Button 3	Control the third channel	Keep press button 3 over 1 second.

B. LED INDICATORS:

LED	Function
Off	Disarmed
Slow flashing	Armed
Fast flashing	Passive arming
On - (solid)	Valet mode
1 flash ... pause	Intrusion on shock sensor
2 flashes ... pause	Intrusion on trunk or hood
3 flashes ... pause	intrusion on door.

C. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Defective sensor remind.
4 chirps	Disarm / Intrusion
5 chirps	Activate channel 3

D. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Disarm / Intrusion
5 flashes	Activate channel 3
Flashing	System under triggering or car-jacking.

E. VALET/OVERRIDE SWITCH:**1. VALET MODE:**

If your vehicle is on maintenance or parking attendant, you don't need to give your transmitter to them. In valet mode, the system will not arm and bypass all alarm function. To use valet mode,

- Please disarm system first.
- Then turn the ignition switch off then on, within 15 seconds turn valet switch to 'on' position.
- LED will solid on to indicate the system in 'valet mode'.
- Exit valet please turn ignition key on first then turn valet switch off.

2. OVERRIDE FUNCTION:

The valet switch is also use on an emergency, such as lost or malfunction of the transmitter, you can still dis-arm the system. To use override:

- Turn ignition switch from 'off' to 'on'.
- Within 15 seconds, turn valet switch 'on', after 5 seconds, siren will stops.
- Or you can flip ignition switch 'on-off' 4 times in 15 seconds to override the system.

F. PASSIVE ARMING

This system is equipped with passive arming circuit. It will act as below:

- Turn 'off' the ignition switch.
- Leave the vehicle, and close all entrances.
- The LED status indicator begins to fast flashing and the automatic arming timer will begin to count down.
- Re-open the entrance and the LED will stop flashing.
- Close the-entrance, the led flashing again.

6. The system will count down for 30 seconds, then the alarm armed.

NOTE: The vehicle's door will automatically lock immediately after passive arming.

G. ALARM OPERATING CONDITION:

		Arming	Disarming	Trigger	Panic	Car Jacking
1	Siren	1 Chirp	2 or 4 Chirps	Sounding	Sounding	Sounding
2	Parking Light	1 Flash	2 or 3 Flashes	Flashing	Flashing	Flashing
3	LED Indicator	Slow Flashing	Fast Flashing	Show trigger source	Flashing	Flashing
4	Vehicle Doors	Locking	Unlocking		Locking	Locking
5	Starter disable	On	Off	On	On	On
6	Ignition	Disable	Enable	Disable	Disable	Disable
7	Dome light		On 30 seconds	Flashing	Flashing	Flashing

H. ACTIVE ARMING:

1. Press button 1 on transmitter.

2. The siren will chirp one time, the system will be fully ARMED.

NOTE 1: Defective sensor reminder: 3 chirps indicate defective sensor occurred.

NOTE 2: If keep press the button for over 1 second, system will silent arm.

I. ACTIVE DISARMING:

1. Press button 1 on transmitter.

2. The siren will chirp twice to indicate alarm disarm.

NOTE: 1. Tamper disarming: If alarm under triggering, when you disarm the alarm, the siren will chirp 4 times and the parking lights will flash 3 times and LED will indicate which sensor has been triggered.

NOTE: 2. Automatic re-arm: This alarm system is equipped with an automatic re-arm circuit that will return the alarm system to a fully armed state if an entrance is not opened within 30 seconds after it is disarmed. Open the entrance or turn on ignition switch will bypass this function.

NOTE 3: If keep press the button for over 1 second, system will silent disarm.

J. DOME LIGHT CONVENIENCE

The alarm with a unique feature which will turn on your vehicle dome light as following:

1. Upon disarming, the dome light will remain on for 30 seconds.

2. If the vehicle is intruded, the dome light will flash as the same duration as the siren.

Note: Turn on the ignition switch or arming the alarm will turn off the dome light.

K. PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of an emergency. To do so, hold down the button 1 on transmitter for over 3 seconds and the alarm will be tripped and the siren will begin to sound. To stop panic, press button 1 again.

L. TRIGGER THE ALARM

While the system on armed condition, open doors, hood, trunk or trigger the optional detectors, the siren and parking light will turn on to alert an intrusion for 30 seconds. Then it will stop and automatic reset and re-arm.

If the one of sensors or detectors still active, the system will sound a maximum of six of 30 seconds cycle.

Note: 'Warn away' feature: If the optional detector is connected to the plug, a slightly trigger the optional detector, a pre-warning audible tone from siren and flashing parking light warn the intruder to turn back.

M. CAR JACKING FEATURE:

Each time when the ignition is turned on, open door, the car jacking feature quietly activates.

First timer: 30 seconds after door open (ignition switch in 'on' position), the siren will start chirping for 10 seconds. During this 10 seconds period of chirping, you will be alerting to use system's override function to turn off the car-jacking.

Second timer: 40 seconds after door open. The parking light, dome light starts flashing, the siren starts sounding and the starter disable circuit activates, that prevent the vehicle start again once the ignition turn off. At this period the system will last for 50 seconds. You will be alerting to use system's override function to turn off the car-jacking.

Third timer: 90 seconds after door open. The parking light, dome light and the siren stops. And the starter disable circuit also remain lock up forever to prevent engine start again. You need to use system's override function to turn off the car-jacking.

NOTE 1: System under car-jacking, the remote transmitter is void.

NOTE 2: If door open again after 90 seconds, (system still under car-jacking), system will re-activates the second timer car-jacking again.

N. IGNITION CONTROL POWER DOOR LOCK SAFETY SYSTEM.

The vehicle's doors will automatically lock after the ignition key turn 'on'

When the ignition key turn 'Off', the doors will automatically unlock.

O. TRUNK RELEASE. (CHANNEL 2)

Press and hold button 2 on transmitter for two seconds to remote control the trunk release or the channel 2 output.

P. THIRD CHANNEL CONTROL: (CHANNEL 3)

Press and hold button 3 for 1 second (activated channel 3) on transmitter to remote control the optional electrical device.

Q. STARTER DISABLE CIRCUIT:

This output can control starter disable, when an intrusion is detected and the system is triggered. The vehicle prevent from any unauthorized starting.