Instruction Manual

Car Alarm System

Type Identification AM −01

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Introduction

Thank you for purchasing this vehicle protection system .This system is the Finalized product by experienced technical and engineering professionals .This system has gone through computerized program encoding and I .C .T .Testing to ensure strict quality control This system is the wise choice for your vehicle protection . We trust you will satisfy with the protection this system bring to your car.

This operation manual details the use of the system contained in the package. It is suggested to look for experienced technician for system installation .

Button	Function
Arm	• Press this button to lock the doors and enter arm status.
Disarm	• Press this button to unlock the doors and enter disarm status. • When the alarm is triggered, press this button to turn off the siren Sound from the vehicle. The vehicle is then disarmed. • **Press this button for 3 seconds under disarming mode to open the trunk.**
Panic/ Car finding	• Press this button to activate emergency panic status. • Press this button again to turn off the panic status. • Can also be used for car finding with siren on and lights flashing.
Mute/Sound mode exchange	• Press this button for 5 seconds in any mode, the siren will chirp once, indicating that the system has been changed into Sound or Mute alarm mode successfully. *(For 3 keys remote only. the default setting is Mute alarm mode).
	Mute alarm mode *(for 4 keys remote only, the default setting is Mute alarm mode)
When ACC ON, then twice	• Anti-hijacking *Only 4 keys remote with this function, 3 keys without.

Remote Control Operation

Arm

When all doors are closed ,press the button of the remote control to arm the vehicle and lock the doors. The siren then siren then chirps once and the parking lights flash once. After 3 seconds ,the LED starts flashing

Disarm

Press of the remote control to disarm the vehicle and unlock the doors. The siren then chirps twice and the parking lights flash three times, the LED stops flashing.

NOTE: If nobody enters the car in 20+/-seconds after the system is disarmed by pressing button ,the door of the car will automatically be locked again and the system will come back to be on ALERT mode.
Please also refer to **Auto Rearming** feature in page 5.

Mute Alarm Mode

Press of the remote control to arm the vehicle and lock the doors in mute mode. The parking lights will flash once, but the siren will not chirp .After 3 seconds ,the LED Starts flashing. When the shock sensor is triggered, lights will flash ,but siren will not sound .If the door is opened ,engine is started illegally, the siren will blare at once.
Please also refer to Mute Arm Protection in page 5.

Emergency Alert Car finding

In any circumstances , press once , the siren then sounds and the parking lights flash for about 25 seconds for calling for emergency help. To turn it off ,press again. this function can also be use for car finding in a large parking lot.

Description of Functions & Features

Am protection

During the arm status the alarm will be triggered if any intrusion action is detected .After 25+/-5 seconds the system will return to ALERT mode again.

Mute Arm Protection

During the mute arm status, the alarm will be triggered if any intrusion action is detected. The lights will flash, but siren will not sound. But if the door is opened or engine is started illegally, the siren will blare at once.

Auto Rearming

If nobody enters the car in 20+/-5 seconds after the system is disarmed by pressing button , the door of the car will automatically be locked again and the system will come back to be on "ALERT" mode.

Off siren temporarily

When the system is triggered or in emergency help mode ,the siren will blare .By Pressing button, the siren will be off temporarily. But the system is still in alert mode.

Two Stage Siren Verification

If the car body be bumped slightly, the LED keep lighting and the parking light flash and the siren will only chirp 5 tines.

If the car body be bumped continuously or the car door is opened, the engine is started illegally, the siren will keep sounding for 25+/-5 seconds.

Open Door Alert

If any of the doors is not closed properly before driving, the parking lights will flash 15 seconds for reminding purpose.

Trunk Release Function

Press button for 3 seconds under disarming status, the trunk will be opened.

Vibration Record

If the car is bumped, the system will take a record about the vibration of the car and will give warming to the car owner by beeps when the alarm system is disarmed, so that the car owner can check the car inside and outside to make suer about the safety of the car.

Auto Central Lock

When driving. press or to lock or unlock the doors,but the system will not be set work. Turn on the ignition after closing the car doors in a proper way. After 15 seconds, step on the foot brake and the car doors will be locked automatically. Please note: the door will not be locked automatically if the ignition key is not turn to the ACC ON position or if the doors are not properly closed.

The car doors will automatically unlocked when the key is taken out of the ignition switch.

Memory Alarm Mode

If the car power is cut off whether the system is armed or disarmed, the system status will be logged on. The system will remain in the same status after getting power supply from the vehicle.

Auto arm (Optional)

The alarm system will activated automatically without 1 minute any remote operating after the car is park. Please refer to **Function Settings** in page 8.

Hints for Arming(Optional)

The alarm system will give signals to remind the car owner to arming the car after 10 seconds the car parking: the system will beep 4 times and the lights will flash 4 times. Please refer to **Function Settings** in page 8.

Anti hi–jacking(Optional)

When driving, press once, the parking lights will flash quickly(this is stand-up for anti-hijacking mode). Then press button within 5 seconds, the system is into anti-hijaking mode, the lamps keep lighting and the engine will be cut-off and the siren keep on, lamps flashing 15 seconds. Press button to release anti hi-jacking

Make the car stop automatically within 10 seconds after the robber drive the car.

NOTE: **The wires must be connected correctly to achieve the anti hi-jack function.**

Call for Emergency Help

When driving, press button, the siren will keep on and the parking lights will keep flashing for calling for emergency help. Press again to stop the above operation.

Electronic/air compressor lock interchange:

Set JP2 in the main unit to open circuit, the system is electronic lock, set JP2 to short circuit, the system is air compressor lock. Please also refer to the **Function settings** in page 8. The default setting is electronic lock. The lock time is 0.8 seconds.

Air compressor lock time is 3.5 seconds.

Function settings

FUNCTION	JP Position	METHOD
Auto Arming Operation (Optional)	JP1	Short circuit (production inside setting)
Electronic Air Compressor Lock	JP2	Electronic Lock: Open circuit Air compressor Lock: Short circuit
Hints for alarm (Optional)	JP3	Short circuit
¾ Keys interchange	JP4	3 keys: Short circuit 4 keys: Open circuit

NOTE:

1. THE DEFULT SETTING IS JP2 OPEN CIRCUIT (ELECTRONIC LOCK).
2. THE DEFULT SETTING IS MUTE ALARM MODE.
3. DO ALL SETTING IN NO POWER SUPPLIED CONDITION.

Remote Control code Cancellation and Installation

Remote Control Code Cancellation

If the remote control is lost, it is necessary to clear the code of the remote control stored in the main control module for safety reason. The procedure is stated as below:

When in disarm status , open the door ,enter the car ,keep the door closed ,then step always on the foot brake. Then open the door. Now the lamps flash.

Turn the ignition key from OFF-ON- OFF-ON -OFF-ON -OFF-ON- OFF-ON-OFF5 times and keep OFF position. Now the lamps keep lighting , and the siren chirps twice after 3 seconds ,indicating that all control's code is cleared from the system.

Remote Control Code Installation

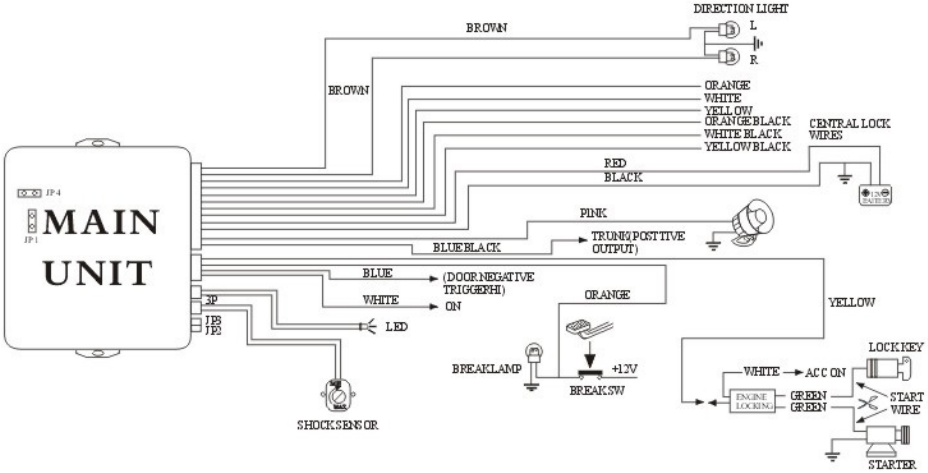
During disarm status , open the door and keep the door opened, then step always on the foot brake. Now the lamps flash.

Turn the ignition key from OFF-ON -OFF-ON -OFF-ON 3 times and keep ON position. Now the lamps keep lighting .Press any key of the remote control, the siren will chirp 3 times after 3 seconds, indicating that a new code is stored.

NOTE: all operating should be finished within 5 seconds, or else, the system will cancel this learning.

Store another control's code by repeating the same procedure. This system can be leant up to 4 remotes at the same time.

Wire Connection Diagram



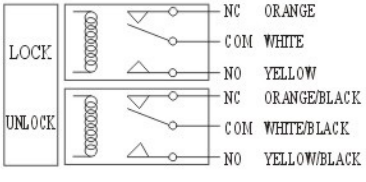
Main Unit Installation

The main unit is suggested to place under the car control panel. After fixing the main unit in a suitable place, then start to connect all the wires in accordance to the Wire Connection Guide on P.14.Before putting back all the parts, simply test the system function first.

Shock Sensor Installation

Install the shock sensor after fixing the main unit. It is recommended to place the shock sensor near the car body or the control panel, so as to easily detect any intrusion actions .To adjust the sensitivity of the shock sensor, simply use a screw to turn the button in the shock sensor, turning right to adjust with a higher sensitivity or vice verse. Then test the sensitivity by triggering the shock sensor. If it is triggered, the L.E.D will light up. Please do not directly hit the shock sensor.

Central Lock Installation Diagram



WIRE OF CENTRAL LOCK

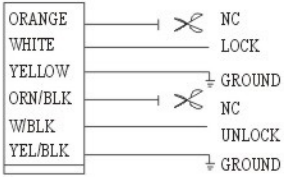


FIG 1(—)PULSES

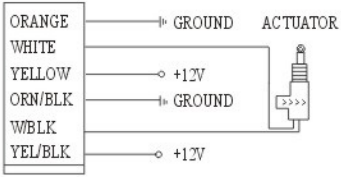


FIG 2(+/—)PULSES OUTPUT

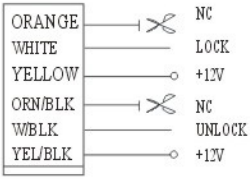
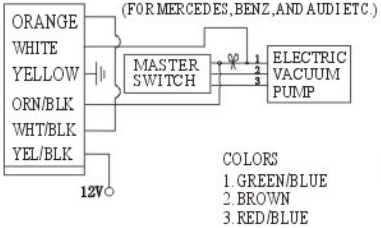


FIG 3(+) 12V PULSES



PS: THE WIRE 1 CHANGE THE POLARITY

FIG 4 FOR VACUUM PUMP TYPE

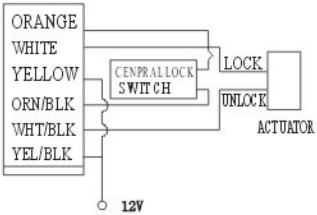


FIG 5 FOR CARS EQUIRPED WITH CENTRAL LOCK

Central Lock Installation Guide

This system can control several common central lock types without any additional parts.

Type A:

For cars equipped with central lock, recommend installing it first. (see FIG 1)

Type B:

For cars equipped with central lock but no motor on driver's side, add master motor and rod.
(See FIG 2) .This type of installation is applicable to operate factory lock system in some Ford, Mitsubishi, Mazda, and Nissan models .
***Installation tips: First, install the actuator near the door's manual latch, then fix the rod of the actuator on the manual latch.**

Type C:

For cars equipped with central lock and with motor on the driver's side.(See FIG 3)

Type D:

The door locks are controlled by electrical activated vacuum pump. (See FIG 4).
The timing of actuator mechanism can be set as 0.7 seconds or 3 seconds at the Jp2 POSITION.
For some Mercedes-benz and Audi model.

Type E:

For some G.M cars equipped with factory central lock unit.(See FIG 5)

Type F:

For some cars are not mentioned above, please consult your dealers.

NOTE: Type B installation method (FIG 2) is suitable for most of the cars.

Specifications

Main Unit

Output Current:	Signal Light 5A*2, Siren 10A, Central Lock 10A
Coding:	Learning code
Voltage:	12V+/-2V
Static Current:	<15mA(except indicator , sensor)
Indicator Current:	20mA
Shock Sensor Current:	<1mA
Frequency:	300-350MHZ

Remote Control

Voltage:	12V OR 6V
Static Current:	0 mA
Battery:	NO.27A/12V OR CR2016 OR CR2025
Frequency:	300-350MHZ
Coding:	Learning code

Trouble Shooting

The alarm keeps sounding and cannot be stopped by the remote control.
Check the wire connection.
Check if the fuse of the main unit is damaged.
Check if the main unit code match with the remote control code.
If back up battery is used, check if the switch is positioned at ON status.
The alarm sounds 10 seconds after the vehicle is armed, same problem keeps happening again.
Check if the shock sensor is too sensitive.
Check if the door pin switches are damaged.
Check the wire connection.
The alarm is easily triggered when a heavy vehicle is passing through.
Check if the shock sensor is too sensitive.

Trouble Shooting

The siren does not work when the vehicle is intruded.
Check the wire connection between alarm and main unit.
The remote control does not work.
Check the battery level in the remote. (It is suggested to replace a new battery each month).
Check if the remote control has been damaged with liquid in or crash.
If possible use another remote control for comparison. If both of them do not work, then check the main unit and the wire connection. (Do not open the main unit for checking)
The central lock does not work.
Check if the actuators are working.
Check the wire connection.
Check if the fuse of the main unit is damaged.

Should any problem persists, please contact your dealer.

OWNER'S WARRANTY RECORD
(To be completed by selling dealer)

Customer's Name:
Address:
Purchase Date:
Dealer Name:
Dealer Address:
Alarm system code number:
Alarm system model:
Date Installed:
Note:

Statements

This device complies with Part 15 of the FCC Rules. 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.

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

. Reorient or relocate the receiving antenna.
. Increase the separation between the equipment and receiver.
. Connect the equipment into an outlet on a circuit different from that to which the receiver isconnected.
. Consult the dealer or an experienced radio/TV technician for help.