

# CONTROL CAR SECURITY SYSTEM

## OWNER'S MANUAL

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AT-PL-001

## OPERATING INSTRUCTIONS

### 4 BUTTON REMOTE CONTROL

FUNCTION	ARM	DISARM	MUTE ALARM MODE	ANTI-HIJACKING	PANIC/ CAR FINDING
PRESS				When ACC-ON  , then 	

### FUNCTION SETTING

FUNCTION	JP Position	METHOD
Auto Arming Operation (Option)	JP3	Short circuit (production inside setting)
Electronic / Air Compressor Lock	JP2	Electronic Lock: Open circuit Air compressor Lock: Short circuit
Hints for alarm (Option)	JP1	Short circuit

#### NOTE:

1. THE SYSTEM IS SET IN JP2 OPEN CIRCUIT (ELECTRONIC LOCK) MODE DURING PRODUCTION.
2. ICON OF INDICATING SHORT CIRCUIT & OPEN CIRCUIT. (  << SHORT ) (  << OPEN )
3. DO ALL SETTING IN NO POWER SUPPLIED CONDITION, OTHERWISE WORLESS.

## DESCRIPTION OF FUNCTIONS & FEATURES

### A) ARM THE ALARM

- (a) Siren will chirp once and lights flash once.
- (b) If equipped with central door lock, doors lock automatically.
- (c) Alarm is armed, the LED blinks, engine can't be started.
- (d) If doors aren't closed properly, the central door lock will not be locked, siren will chirp 4 times.

### B) DISARM THE ALARM

- (a) Siren will chirp 2 times and lights flash 3 times.
- (b) Power door lock/unlock automatically.
- (c) Alarm is disarmed and returns to its normal status.  
Please also refer to "AUTO REARMING" feature.

### C) MUTE ALARM MODE

- (a) Lights flash once, but siren will not chirp, doors lock automatically. If doors aren't closed well, the central door lock will not be locked, siren will chirp long time.
- (b) If the alarm shock is triggered, lights will flash, but siren will not chirp.
- (c) If the door is opened illegally, the siren will chirp and the alarm will be activated. The siren will stop in 20+/-5 seconds and the system return to "ALERT" status.

### D) AUTO-ARMING MODE (Option)

The alarm will activated automatically within one minute without any remote operating after the car is park, lights flash one minute and siren chirp 5 times.

Notice: the car is alarming, but the door will not be locked.

Please refer to **FUNCTION SETTING**.

### E) VALET MODE

- (a) Enter Valet Mode:  
Press  and  within 5 seconds, siren will chirp once.
- (b) Exit Valet Mode:

Press  and  within 5 seconds, siren will chirp twice

#### F) PANIC, CAR FINDING

- (a) Press  in normal arming mode, the siren will sound and lights will flash for 20+/-5 seconds. Press  again to stop.
- (b) Press  in silent arming mode, the siren will not sound and lights will flash for 20+/-5 seconds. Press  again to stop.
- (c) After the 20+/-5 seconds alarm cycle, the system will return to its previous status (armed or disarmed or silent alarm mode).
- (d) Press  again to stop the status.

This feature can also be used as a car finding function to find the vehicle in a large parking lot.

#### G) STOP SIREN TEMPORARILY

If alarm system is triggered off, the siren will blare. By pressing  to stop the siren temporarily but the alarm system is still on arming mode.

#### H) CALL FOR EMERGENCY HELP

During disarming mode, press , the siren will keep on and parking lights will keep flashing in order to call for emergency help. Press  again to stop the above operation.

#### I) ANTI-HIJACKING (Option)

When driving, the key on ACC.ON position. Press , the parking lights will flash quickly (This is stand-up for anti-hijacking mode). And then pressing button  within 5 seconds, the system is into anti-hijacking mode, the lamps keep lighting. And the engine will be cut off and siren keeps on, lamps flashing after 15 seconds. Press  to stop this function.

**Make the car stop automatically within 10 seconds after the robber drove the car.**

**Suggestion: Connect engine cut off relay to starter power wire.**

## SPECIAL FEATURES

#### 1. MISS-TOUCH

Once the vehicle started accidentally press the arm/disarm buttons, will not arm/disarm the alarm, but will lock doors. Press the disarm button again will unlock the doors.

#### 2. AUTO RE-ARM

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"

#### 3. AUTO CENTRAL LOCK

When driving, press  or  to lock or unlock the doors, If doors aren't closed well, the central door lock will not be locked, siren will chirp 4 times, but the alarm system will not be set work. Turn on the ignition after closing the car doors in a proper way, step on the foot brake and the car doors will be locked automatically. Please note: The doors will not be locked automatically if the ignition key is not turned to the "ACC. ON" position or if the doors are not closed properly.

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

#### 4. VIBRATION RECORD

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

#### 5. WARNINGS OF IMPROPER CLOSED OF DOORS

If the doors are not properly closed, the lamps will keep flashing for 15+/-5 seconds in order to give warnings to the cars behind.

#### 6. WARNINGS OF ABNORMAL SITUATION

If the alarm system is triggered in arming mode, then:

- (a.) The siren will chirp one time after one time (off in mute mode) when the car window is knocked or when the car is bumped.
- (b.) The siren will keep on chirping when the car door is opened or when the engine is ignited illegally.

#### 7. HINTS FOR ARMING (Option)

The alarm system will give signals to remind the car owner to arming after 10 seconds the car parks.

(a.) The system will beep 4 times.

(b.) The lights will flash 4 times.

Please refer to **FUNCTION SETTING**.

#### 8. TWO STAGE SIREN VERIFICATION

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

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

#### 9. MEMORY ALARM MODES

If the car power is cut off whether the system is armed or disarmed, the system will still keep in original condition when the power is restored.

#### 10. RESET FUNCTION

Turn the key to ON position in arming mode, the alarm system will be triggered. Pull up the reset switch to ON position, the power supply of main unit will be cut off at once, and the system is disarmed. So the car owner can use the car. (In the condition of the remote control is lost.)

Note: Return to the arming mode, the reset switch must be OFF.

#### 11. AUTO- DISARM THE DOOR / ENGINE ARMING

In arming, the siren will chirp for about 6 minutes (not beyond 6.5 minutes) if the alarm is triggered by doors or engine, then the alarm will disarm automatically. If be triggered again, the siren will only chirp for about 5 seconds, however the system still keep vibration and ACC alarm.

#### 12. CODE LEARNING MODE

In this mode, the safety and reliability of the system are greatly increased for coding times over 1 million.

**New code learning procedure:**

- (a.) During disarming status, stay inside the car, close the door properly, then step always on the foot brake, open the door (now the lamps flashing).
- (b.) Turn the ignition key from OFF-ON--OFF-ON-OFF-ON position 3 times, and keep ON position (now the lamps keep lighting). Press any key of the remote control until the siren chirps 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 remote control code by repeating the same procedure. This system can be learnt up to 4 remotes.

#### 13. REMOTE CONTROL CODE CANCELLATION

If the remote control is lost, it is necessary to cancel the remote control's code in the brain module for safety reason.

- (a.) During the disarming status, enter the car, keep the door closed, step always on the foot brake, then open the door. Now the lamps flash.
- (b.) Turn the ignition key from OFF-ON-OFF-ON-OFF-ON-OFF-ON-OFF 5 times in 10 seconds and keep OFF position. Now the lamps keep lighting, and the sirens chirp twice after 3 seconds, indicating that all control's code are cleared from the system.

## WIRE CONNECTION DIAGRAM

See attachment to reference.

## CENTRAL DOOR LOCK INSTALLATION DIAGRAM

See attachment to reference.

## SYSTEM INSTALLATION GUIDE

### Main Unit Installation

The main unit is suggested to place under the panel. After fixing the main unit in a suitable place, start connecting the wires in accordance to the **WIRE CONNECTING DIAGRAM** before putting back all the parts, simply test the system function first.

### Shock Sensor Installation

Install the sensor after fixing the main unit. It is recommended to place the shock sensor near the car doors, or beside the 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 versa. Then test the sensitivity by triggering the shock sensor. If it triggered, the LED will light up. Please do not directly hit the shock sensor.

### Central Lock Installation Guide

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

#### TYPE A:

For cars equipped with no central lock, recommended to install it first. (see FIG 1)

#### TYPE B:

For cars equipped with central lock but no motor on driver 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.

For some Mercedes-benz and Audi models.

#### TYPED E:

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

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

## SPECIFICATIONS OF ELECTRONIC

### MAIN UNIT

Output current:	signal light: 5A*2, siren 10A, central lock 10A
Coding:	learning code
Voltage:	12±2V
Static Current:	< 15mA (except indicator, sensor)
Indicator Current:	20mA intermittently
Shock Sensor Current:	<1mA
Frequency:	300MHz~350 MHz

### REMOTE CONTROL

Voltage:	12V
Current:	0mA
Battery:	27A/12V
Frequency:	300MHz~350MHZ
Coding:	learning code
Coding times:	> 1 million

## TROUBLE SHOOTING

### The remote control does not work.

- \*Check the battery level. It is suggest to replacing a new battery each year.
- \*Check if the remote control is moistened or crash.

### The remote control does not make the main unit work.

- \*Check the battery level in the remote control.
- \*Check if the remote control is moistened or crash.
- \*Check if the frequency of the remote control is changed.
- \*If possible, use another 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 wire connection
- \*Check if the fuse of the main unit is damaged.

### The siren does not sound when the system is triggered.

- \*Check if the sirens are available.
- \*Check the wire connection between the siren and main unit.

### The siren keeps chirping while the main unit installs.

- \*Check if the socket is insert converse or check the wires connection or the CPU safety fuses.
- \*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 wire connection.

### The alarm is easily triggered when a heavy vehicle is passing through.

- \*Check if the shock sensor is too sensitive.