

# **CONTROL CAR SECURITY SYSTEM**

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## **OWNER'S MANUAL**

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KD900

# OPERATING INSTRUCTIONS

## 3 BUTTON REMOTE CONTROL

FUNCTION	ARM	DISARM	MUTE ALARM	CAR SEARCH	TRUNK RELEASE	VALET MODE
PRESS			+		Press  3S	+  2S

## 4 BUTTON REMOTE CONTROL

FUNCTION	ARM	DISARM	MUTE ALARM	CAR SEARCH	TRUNK RELEASE	VALET MODE
PRESS					Press  3S	+  2S

## 5 BUTTON REMOTE CONTROL

FUNCTION	ARM	DISARM	MUTE ALARM	CAR SEARCH	TRUNK RELEASE	VALET MODE
PRESS					Press  3S	+  2S

## FUNCTION SETTING

FUNCTION	JP Position	METHOD
Alert Mode	JP1	Short circuit: 15 seconds in alert mode Open circuit: 7 seconds in alert mode
Electronic/ Air Compressor Lock	JP2	Short circuit: electronic compressor 0.5 seconds Open circuit: air compressor 5 seconds

### NOTE:

1. THE SYSTEM IS SET IN JP1 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 twice and lights flash once.
- (b) If equipped with central door lock, doors lock automatically.
- (c) After 4 seconds, the engine is cut-off, the L.E.D blinks, indicating the system enter into ALERT mode.

### 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.
- (d) If nobody enters the car after 25 seconds, the system will come back to alert mode again. Please also refer to "AUTO REARMING" feature.

### C) SILENT ALARM MODE

- (a) Lights flash once, but siren will not chirp.
- (b) If the alarm shock is triggered, lights will flash, but siren will not sound.
- (c) If the door is opened, the alarm will be activated after 15 seconds.

### D) PANIC, CAR SEARCH



- (a) Press in normal arming mode, the siren sound with lights flash 25+/-5 seconds. Press again to stop.(for 4 and 5 button)
- (b) Press again in arming mode, the siren sound with lights flash 25+/-5 seconds. Press again to stop.(for 3 button only)
- (c) Press in silent arming mode, the siren will not sound and lights will flash for 25+/-5 seconds. Press again to stop.
- (d) After the 20+/-5 seconds alarm cycle, the system will return to its previous status (armed or disarmed or silent alarm mode).
- (e) Press again to stop the status.

This feature can also be used as a searching function to locate the vehicle in a large parking lot.



### E) 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.

## F) CALL FOR EMERGENCY HELP

During disarming mode, when driving, press , the siren will keep sounding and parking lights will keep flashing for 15 +/-5 for calling for emergency help. Press  again to stop the above operation.

## G) ANTI-HIJACKING

When driving, the key on ACC ON position. Press , the parking lights will flash quickly, after 15 seconds, the siren keeps sounding and the engine will be cut off after 45 seconds. Press  to stop the function. (for 4 and 5 button)

When driving, the key on ACC ON position. Press  +  for 3 seconds, the parking lights will flash quickly, after 15 seconds, the siren keeps sounding and the engine will be cut off after 45 seconds. Press  to stop the function. (for 3 button)  
Make the car stop automatically about 10 seconds after the robber drive the car.


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

# SPECIAL FEATURES



## 1. MISS-TOUCH

Once the vehicle started accidentally touching buttons that normally arm the alarm, will not arm the alarm, but will lock doors. Press disarm button to unlock the doors.

## 2. AUTO RE-ARM

If nobody enters the car in 25 +/-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.

## 3. AUTO CENTRAL LOCK


When driving, press  or  to lock or unlock the doors, but the alarm 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 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 unlocked when the key is taken out of the ignition switch.

## 4. 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.

## 5. VIBRATION AVAILABILITY/UNAVAILABILITY

Press  for 5 seconds on arming mode, the siren will chirp once, the vibration is availability. Press again to stop it.

## 6. WARNINGS OF ABNORMAL SITUATION

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

- (a.) The siren will sound on in arming mode (without sounding in silent mode) when the car window is knocked or when the car is bumped.
- (b.) The siren will keep sounding for 25 +/-5 seconds when the car door is opened or when the engine is ignited illegally.

## 7. TWO STAGE SIREN VERIFICATION


If the car body by bumped slightly, then L.E.D 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.

## 8. 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.

## 9. AUTO RE-ARM (OPTIONAL)


Without AUTO RE-ARM MODE: In disarming mode, turn ACC ON and press  for 2 seconds, the siren chirp twice and light flash twice.


With AUTO RE-ARM MODE: In disarming mode, turn ACC ON and press  for 2 seconds, the siren chirp once and light flash once.

## 10. ALARM DELAY FUNCTION (OPTIONAL)


Put JP1 into open circuit, the system will enter into the arm mode within 30 seconds, If the short circuit, the system will enter into the arm mode within 15 seconds.


## 11. BRAKE-LOCKING FUNCTION (OPTIONAL)

Without BRAKE-LOCKING FUNCTION: Under disarming mode, turn ACC ON and press  for 2 seconds, the siren will chirp twice, lights flash twice, the brake-locking function is cancelled.



With BRAKE-LOCKING FUNCTION: Under disarming mode, turn ACC ON and press  for 2 seconds, the siren will chirp once, lights flash once, the brake-locking function is cancelled.

## 12. TRUNK RELEASE FUNCTION

In disarm mode, press  button for 3 seconds, the trunk will be released automatically.(for 3 and 5 button)

In disarm mode, press  button for 3 seconds, the trunk will be released automatically.(for 4 button only)

## 13. VALET MODE (CAR WASHING MODE, SERVICE MODE)

Under disarming mode, turn ACC ON, open the door and step on footbrake, press  +  in the meantime, the siren will chirp once and lamps will flash once, indicating the system is in valet mode.

Under valet mode, the central lock system can work normally but the arm function is inactive. Repeat same procedure to come back normal arming mode.

## 14. RESET FUNCTION

Under arming mode, turn the ACC ON,the system will be triggered off. Press the RESET switch TO cut off the power , release it , the system comes back the disarm mode. It is used when the car owner lost the remote control.

## 15. SILENT MODE (for 3 key remotes)

Under disarming mode, press  + , the siren will not chirp.

## 16.CODE LEARNING MODE

In this mode, the safety and reliability of the system are greatly increased for coding times over 1 million. Under disarming mode, close the door, turn ACC ON, press reset switch for 5 seconds, LED keep lighting, directing light keep on , the system enters into learning mode: press any button of the remote within 5 seconds, the LED flash 3 times, direction lights flash 3 times, once remote is learnt into the system successfully. Press another remote, the LED flash 3 times, the direction lights flash 3 times, the second remote is learnt into the system successfully. Turn ACC OFF, the LED and direction lights will stop lighting, the system comes back to original status. (the system can learnt 4 remotes in one time, when the new remote is learnt, the old remote is invalid anymore.)

## 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 placed 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 verse. Then test the sensitivity by triggering the shock sensor. If it triggered, the L.E.D will light up.

Please do not directly hit the shock sensor.

### Wire Installation Guide

This system can control many kinds of cars without any additional parts.

#### TYPE A:

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

#### TYPE B:

For cars equipped with central lock but no motor on driver side, add master motor and rod.

(see NO. 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 negative trigger. (see NO. 3)

**NOTE:** Type B installation method (NO. 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:	315MHz

### REMOTE CONTROL

Voltage:	12V
Current:	0mA
Battery:	27A/12V
Frequency:	315MHz
Coding:	learning code

### 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 moisten 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 moisten 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 fuse.
- \*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.

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## 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:

# WIRES CONNECTION DIAGRAM

