

ONE-WAY CAR ALARM SYSTEM

Please read the manual carefully before installation.

When installing, please refer to Diagram



Function Key

Arm button:

Normal: Press it once , the system is armed, and locks the doors and windows. The window locking time is 20 s.

While driving: Press it to lock the doors.

Disarm button:

When armed: Press it once to disarm and unlock the doors. Press it for 3.5 s to release the trunk.

While driving: Press it to unlock the doors.

Anti-robbery: Press it to remove the state of anti-robbery.

Mute alarm button: /

Normal: Press it once, the system is mute armed and locks the doors and windows. The window locking time is 20 s.

While driving: Press it for 1 s, the system is in anti-robbery state.

Locate car button: / (For four-button remote)

Press it once, siren will sound for 2 s, and car lights will flash at the same time to locate the car.

Press it twice continually, siren will sound for 30 s, and the car lights flash to ask for help.

Functions

Function Operation

1. Anti-false alarm

Shortly press the key  once, the siren will give a short beep, the light will flash once, meanwhile the doors and windows are locked. Window locking time is 20s. And the ultrasonic sensor starts working. The system will be armed in 8s. The LED indicator flashes intermittently. When the car is hit for the first time, the siren will give 5 beeps and direction lights flash for 5s; And if the car is hit for the second time, the siren will shout loudly and continuously, the engine will be immobilized. The system will automatically return to arm mode in 15s if the system is not disarmed.

2. Mute alarm

Shortly press the key  /  , the direction lights flash once, meanwhile the doors and windows are locked. Window locking time is 20s. And the ultrasonic sensor starts working. The system will be armed in 8s. The LED indicator flashes intermittently. When the car is hit for the first time, the direction lights flash for 5s. If the car is hit for the second time, the direction lights will flash for 15s, and engine will be immobilized. The system will return to arm mode in 15s if the system is not disarmed. If car door is opened in mute arm mode, the siren will sound at once.

3 .Emergency alarm

In arm mode, any action such as opening car door or turning car key to ACC.ON or pressing on foot brake, will trigger the alarm system and the siren will shout for a long time and the engine will be immobilized.

4. Ultrasonic sensor trigger alarm

When armed(both normal arm and mute arm), if the ultrasonic sensor is triggered, the siren will sound at once.

5.Disarm

When armed, press  once, the siren beeps twice and direction lights flash twice, and the system is disarmed. When mute armed, press  once, the direction lights flash twice and the system is disarmed.

6. Auto-rearm (anti-misdisarm)

If the car doors are not opened or the car is not started in 25 seconds after the system is disarmed, the system will return to arm mode again automatically.

7.Remote release trunk

When the car is parked or the system is in arm mode, press the key  for 3.5s, the trunk will be released and car door will be opened, that is convenient for carrying the luggage.

8. Automatic central locking system

Default : When ignition on and all the windows and doors and trunk closed, the central locking system will lock the car doors automatically when step on the foot brake after 20 s . When ignition off, the doors will be unlocked automatically . While driving, press the button  to lock the doors ; press the button , to unlock the doors. (Turn car key to ON, open the door, press button  for 2s, the siren will beep once and disable this function; press button  again for 2s, the siren will beep twice and activate this function.)

9. Indicator for parking car

Default: When the car door is opened, if the car key is at OFF position, the car light will flash 15s, if the car key is at ON Position, the car light will keep flashing until all the doors are closed.

(Turn car key to ON, open the door, press button  /  for 2s, the siren will beep once and disable this function; press button  /  again for 2s, the siren will beep twice and activate this function.)

(This function is optional only for four- button remote)

10. Locating car with sound and light

Press the key  /  in any condition, the siren will beep for 2 s and the lights will flash .

(For four-button remote)

Press the key  in normal arm mode, the siren will beep for 2s and the lights will flash.

(For three-button remote)

11. Emergency Assistance

Press the key  /  twice continually in any condition; the siren will sound for 30s, the light will flash simultaneously. Press any key again to stop it. **(For four-button remote)**

Press the key  twice continually in normal arm mode, the siren will sound for 30s and the lights will flash simultaneously, press any key again to stop it **(For three-button remote)**

12. Anti-robbery, anti-hijacking

If robbed while driving, press  /  for 1s, the direction lights will flash urgently; then press  /  once, the siren will sound loudly after 15 s, and engine will be immobilized. **(For four-button remote)**

If robbed while driving, press  /  for 1s, the direction lights will flash urgently; then press  once, the siren will sound loudly after 15 s, and engine will be immobilized. **(For three-button remote)**

13. LED Memory

Normal condition: flash twice; malevolent raid condition: flash three times; door opened condition: flash continuously.

14. Automatic anti-robbery

When ignition off and door closed, if the driver forgets to arm the system, the system will enter arm mode automatically in 35s, but the door will not be locked.

(Turn car key to ON, open the door, press button  /  for 2s, the siren will beep once and disable this function; press button  /  again for 2s, the siren will beep twice and activate this function.)

Default: Without this function

15. Indication for unlocked door

Default: When arming, if the siren beeps 4 times, this means the car door is not properly closed. The driver needs to check the doors.

(Turn car key to ON, open the door, press button  for 2s, the siren will beep once and disable this function; press button  again for 2s, the siren will beep twice and activate this function.)

16. Emergent disarming

In arm mode, if the remote controllers were lost, please open the car door first, and at this time the siren will sound loudly, step on the foot brake and hold, insert the car key and turn it from OFF to ON 8 times within 15s, and stop at OFF, the system will be disarmed.

17. Code learning (The doors must be closed well when learning code)

If the original remote controllers were lost or broken, you can contact the dealer to buy the same kind of remote controllers. To match the new remote controllers, turn the key from OFF to ON 8 times first, and stop at ON, the LED indicator flashes and you can start code learning now. Press any button on the new remote controller, LED indicator stops flashing, and is on all the time. Then press any button on the remote controller again, the siren beeps once, which means the code is learnt successfully. Then the LED starts flashing which indicates the system is ready to learn the code of next new remote controller. By repeating the above operations, the code of another remote controller can be learnt. One main frame can learn the codes of 4 remote controllers. When code learning is finished, please take out the car key to exit learning code.

Note:

1. Dome light mode (only for dome light mode available system)

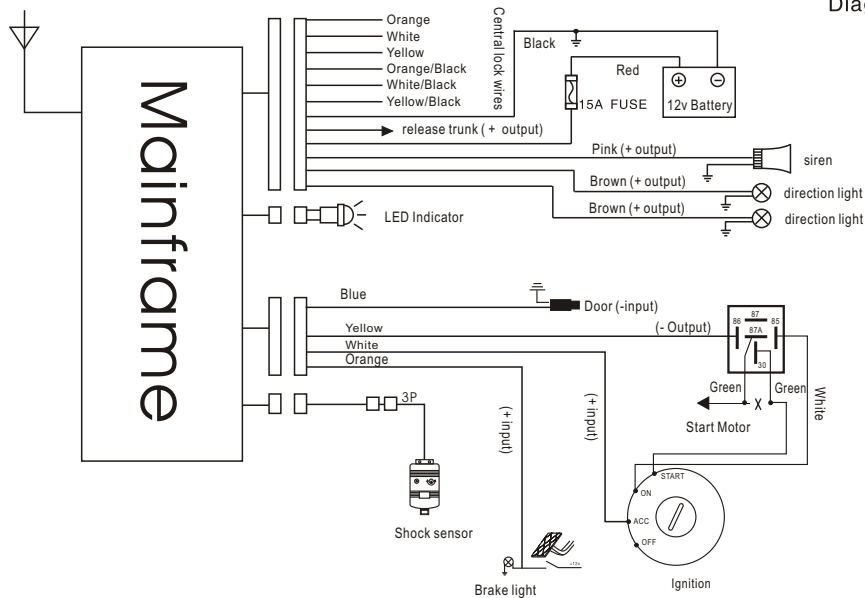
(1) Connect the dome light input wire to the dome light correctly, arm the system, open/close the door will not trigger alarm during the dome light is on. Then while dome light turn off, open the door will trigger alarm immediately.

(2) Connect the dome light input wire to the door, arm the system, the first time open the door will not trigger alarm, after that, whenever to open the door will trigger alarm

2. Normal: (without dome light mode) arm the system, 8s later, open the door will trigger alarm.

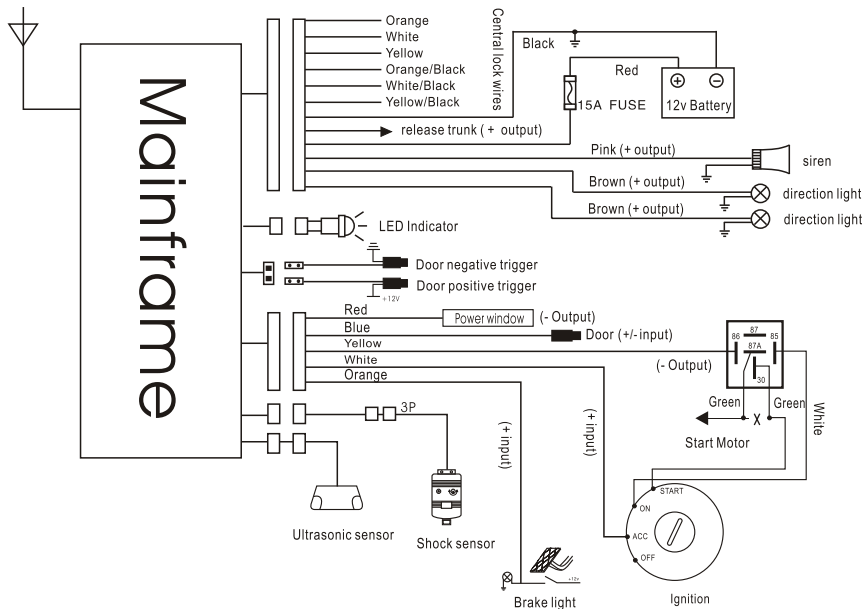
3. Modifications not authorized by the manufacturer may void user's authority to operate this device.

Diagram A



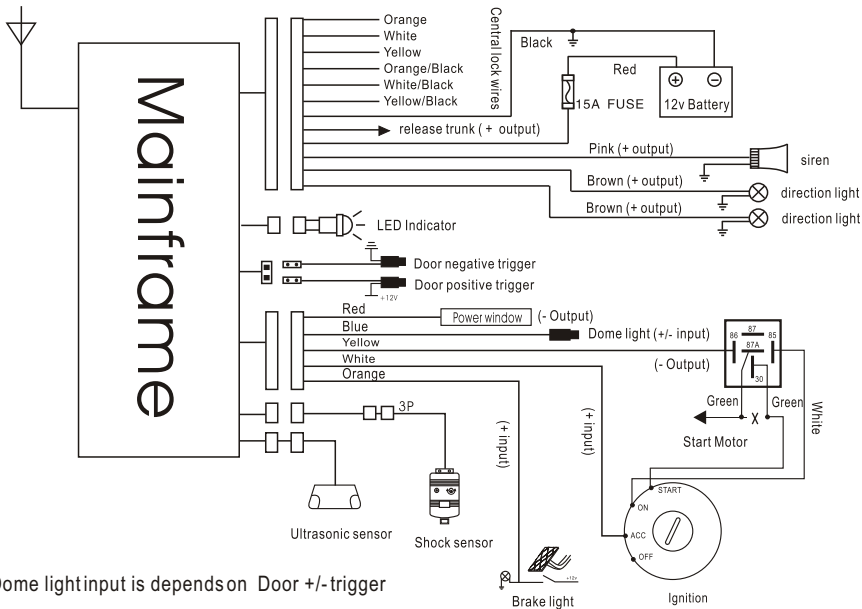
NORMAL:

DiagramB



DOME LIGHT MODE:

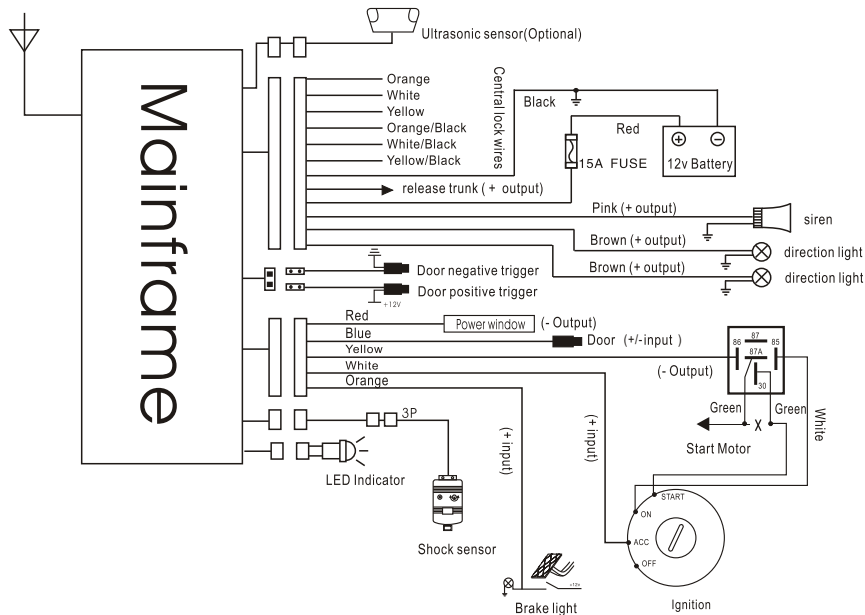
DiagramC



+/- Dome lightinput is depends on Door +/-trigger

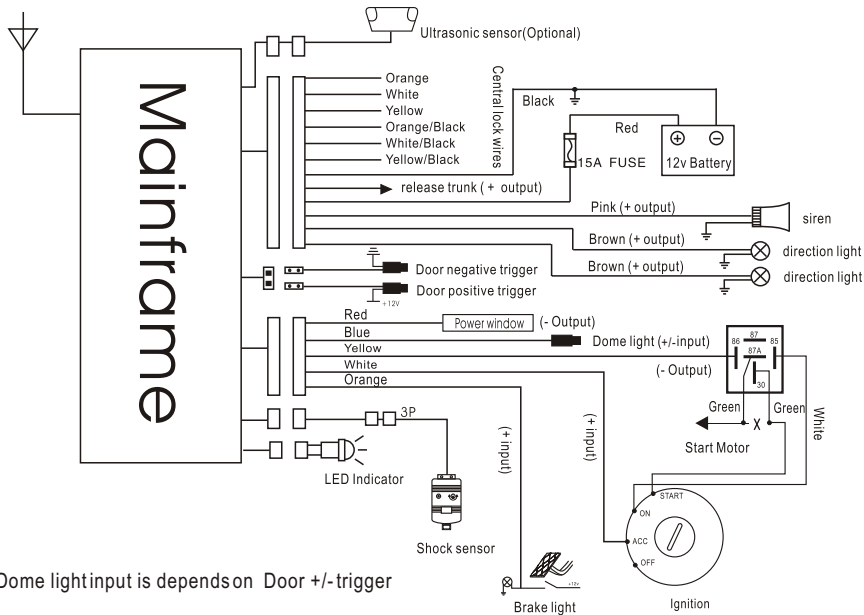
NORMAL:

Diagram D



DOME LIGHT MODE:

Diagram E



+/- Dome light input is depends on Door +/- trigger

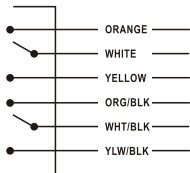


Fig1. Interior Theory

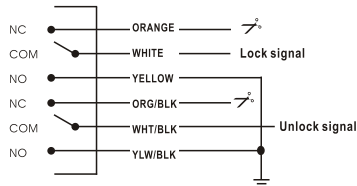


Fig2. Negative Trigger

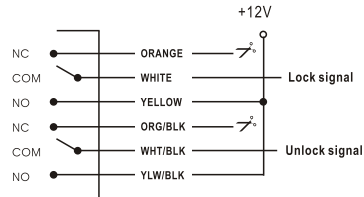


Fig3. Positive Trigger

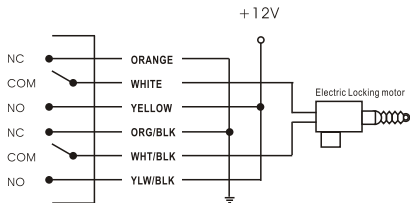


Fig4. Positive/Negative Trigger

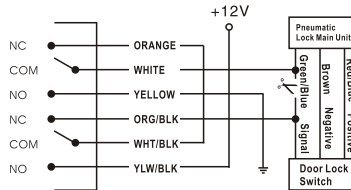


Fig5 Pneumatic Lock

Notice: Pneumatic lock must be set to the 3.5 seconds mode.

Attention for Installation

1. Please read and understand the installation diagram, car circuits and illustrated ways before installation.
2. Mainframe must be kept away from high temperature, wetting and the place with electronic equipment. Plug wire harness into it; wrapped up the wires terminal with tape. Find out the car control wires, such as power wires, ON wires, small light wires, signal wires for open door (door-light wires) etc. The sensor switch must be installed to the car which has no the signal wires.
3. The other wires must be connected prior to main power wires; connect them well, wrapped up with tape.
4. Stick the antenna to the car window and adjust its location to attain the best effect. Never fold the antenna, cut it off or connect it with the earth.
5. Installing the shock sensor to the car body, adjust sensitivity to attain the best effect. (It should be near the car body or dash board.) Remark: Turn clockwise to increase the sensitivity, anti-clockwise to decrease. Sensitivity is adjusted well in the factory; so do not adjust it if not necessary. Don't straightly beat the shock sensor.

Installation Instruction for Central Door Locking

1. We suggest installing one central locking for the system with the following cars:

The common car type: any old or economical car type. (Fig 2 negative trigger)

2. The car has the central locking, but only one switch for opening all the doors, so one motor is suggested adding to the driver door. (Fig 4 negative and positive trigger)

Common car type: FORD, MITSUBISHI, MAZDA, and NISSAN etc.

The installing method: Remove the car door plank; find out where to easily fix central locking motor near the switch inside the door, fix the switch and motor together with the prepared parts. The central locking can pull the switch when it is working.

3. The car has the central locking to trigger 4 doors work together. So you can choose the installing way after judging negative or positive. (Negative trigger Fig 2 and positive trigger Fig 3)

Common car type: HONDA, TOYOTA, RENAULT, and GM etc.

4. The car has the central locking which adopts the air-compressed mode. The control wires in driver's door will be positive or negative when doors open or close, one short circuit is for choice in the mainframe. (Fig 5)

Common car type: AUDI 100, BENZ, etc.

5. Please use the easier way (Fig 2) if you don't understand how to install.

Specification and Features

(A).Mainframe system

Working Voltage: $12V \pm 3V$

Static current: 8mA

Shock Sensor Current: < 1mA

Output Current(max): Direction Light :5A;Siren: 10A

Central Door locking:10A

Working Frequency:433MHZ

(B).Remote Control

Working Voltage: 12V/9V/6V

Static Current: 0 mA

Battery size: 27A/23A/CR2016

Working Frequency:433MHZ

Troubleshooting (Please check with the following trouble items.)

Troubles	Possible Cause	Solution
The alarm system isn't effective on arming and disarming.	The power of remote controller is off. The power is not enough in storage battery. The mainframe or circuit is damaged or wetted.	Replace battery. Check and maintain it. Check and maintain it.
The siren sound loudly without any cause.	Is the door locked well or activated? Are there any troubles with the car door switch? Is the shock sensor too sensitive? Is the circuit of mainframe working properly?	Close the car door again. Check and maintain it. Adjust the sensitivity of shock sensor. Check and maintain it.
The activated siren doesn't sound alarm.	Is the siren damaged? Is the circuit disconnected? Is the mainframe circuit normal?	Replace siren Check and maintain it. Check and maintain
No response from the alarm system When pressing buttons on the remote controller (the LED on the remote controller is on when press).	Check whether the voltage of battery is too low. Has the remote control been fallen badly or soaked by water?	Replace battery. Check and maintain it

Troubles	Possible Cause	Solution
The central locking motor is out of order or doesn't work well.	There are some troubles with the car door switch. There are some troubles with central locking motor. The original car central locking system is not effective. The circuit is wrongly connected. Action time of the central locking system is not right.	Check and maintain it. Replace the central locking motor Check and maintain it Check and maintain it Refer to functional choice for item.
The car isn't responsive to any impact.	The sensitivity of the shock sensor is too low. The shock sensor is not fixed well.	Adjust the shock sensor's sensitivity. Fix the shock sensor again.
The pneumatic central lock isn't working with a suitable timing.	The choice of time is not right. The power is off before the setting is changed. The circuit is connected wrongly.	Refer to functional choice for item. Cut off the alarm system power firstly. Check and maintain it.
The car door can't open automatically after the car stopped. (The circuit is in a right condition.)	The ACC circuit is not closed.	Connect the ACC wire with the ON wire.

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Caution:

Changes or modifications to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the equipment. Any change to the equipment will void FCC grant.

NOTE:

This equipment has been tested and found to comply with the limits for a 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 is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.