





# 24V Car Alarm User's Guide

## Operations


### Arm:

Press the button  on the transmitter once, the siren beeps once, the flash lights gleam once, the central lock system locks automatically. LED gleams automatically to indicate. The engine ignition starter is cut off. In arm mode after 3 seconds.


### Disarm:


Press the button  on the transmitter once, the siren beeps twice, the flash lights gleam 2 times, the central lock system unlocks. In disarm mode, if nobody opens the door and get in the car within 25 seconds, the alarm system would make the central lock system lock again and rearm.

### Silent (Mute) Arm:




Press the button  on the transmitter once, the siren is in mute, the central lock system locks while the flash lights gleam once.

### Car Finding:




Press the button  on the transmitter once for 3 seconds, the siren beeps and the flash lights gleam both for 15 seconds, to find your car in park lot .



Press the button  on the transmitter once for 3 seconds, only the flash lights gleam for 10 seconds to find your car in park lot.

### Help Calling:

If there is a button  on the transmitter(4-button-transmitter), press the button  on the transmitter once, the siren beeps and the flash lights gleam continuously both for 10 seconds and the engine can not be started. When warning, press the button  once again to stop.

### Anti-Hijacking:

When the car is moving, press the button  on the transmitter once and while the flash lights gleam press the button  once to stop the flash lights gleaming. After 15 seconds, the car engine stops automatically and the siren long beeps loudly. You can stop the siren chirping by pressing the button  on the transmitter once .


Close all Windows: When parked and the engine is stopped, press the button  or  on the transmitter once to close all the windows one by one.

## Functions Instruction


### 1.Arm:

In arm, if the door is opened, the windscreen or window glass is broken, or the car is hit, beaten, hammered, taken away, the car alarm is triggered and the siren would beep loudly. The siren would stop chirping automatically after the siren beeps for 40 seconds. The alarm would rearm again.

### 2.Rearm:

After press the button  on the transmitter once to disarm, if nobody open the door and get in the car within 25 seconds, the alarm system would rearm again .

### 3. Siren Pause:



The alarm is triggered, the siren would beeps loudly. Press the button  on the transmitter once to make the siren pause, but the alarm is still in arm.

### 4.Trigger Mode ID Function:



In arm, if triggered, one of 2 kinds of warning would sound:

- ~ one is un-continuous chirping for the window is beaten, the car is hit or hammered;
- ~ the other is continuous chirping for the door is opened, the engine is started, etc.

#### 5A. Central Lock System Automation Option:

Turn the car key to ACC ON position, Press the  button for more than 2 seconds, the siren chirps once to delete the central lock system automation; press the button  for more than 2 seconds again, the siren chirps twice to come back the central lock system automation.



#### 5B. Central Lock System Automatically:

When the car is moving, press the button  or  on the transmitter once to make the central lock system unlock / lock and the car alarm could not be turned ON. The car doors are all closed, turn the key to the position ACC ON. After 15 seconds, the brake is pressed down by foot and the doors would be locked automatically. It is very convenient!  
Note: if the door is not closed completely or the key is not turned to the position ACC ON, the doors could not be locked automatically.

#### 5C. Central Lock System Close Time Option:

If it is not pneumatic central lock system and it is electric one, please open the brain cover and change the jumper SW1 on the main PCB from OFF to ON before installing the car alarm, and the central lock system close time would be changed from 2.5 seconds to 0.5 seconds.

## 6A. Warning for Door Unclosed well Option

Turn the car key to ACC ON position, press the button  for more than 2 seconds, the flash lights gleam once and the siren beeps once to delete the function Warning for Door Unclosed well; press the button  for more than 2 seconds again, the flash lights gleam once and the siren beeps 2 times to comeback the function Warning for Door Unclosed well.

## 6B. Warning for Door Unclosed well:

~ When parked, one of doors is not closed well, and the key is not in the position ACC ON, the warning light would glint for 30 seconds to warn the following vehicles.

~ When parked, one of doors is not closed well, and the key is in the position ACC ON, the warning light would glint continuously which could not be stopped to warn the following vehicles until every door is closed well.

## 7. LED Display:

In Arm: Gleams slowly

Warning: Gleams urgently

## 8. Two Stage Shock Sensor:

When triggered slightly, the siren chirps 5 times; When triggered heavily, the siren chirps for 25 seconds.

## 9. Engine Cut Off:

There is a power relay built-in, the ignition circuit can be cutoff, the engine can not be started.

## 10. Roadside Park Warning:

For the driver and passengers safety, when the car is parked on roadside and the door is opened, the flash lights would gleam to warn the coming and going vehicles.

## 11. Anti-Fault Trigger:

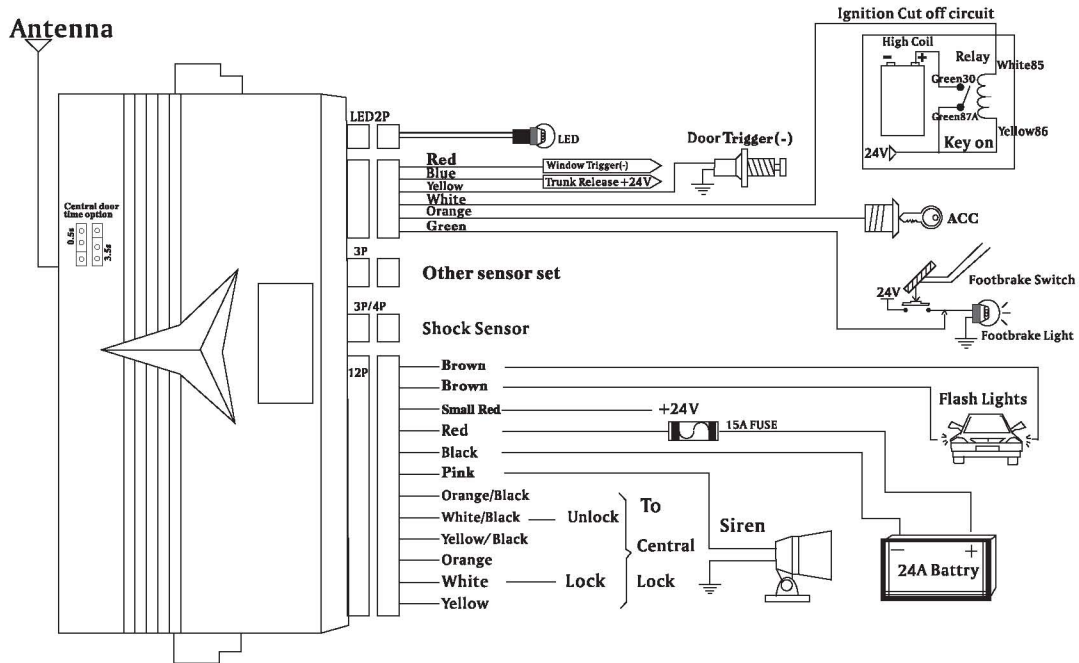
With microprocessor & ambiguity control technology, the alarm can identify the trigger true or fault. If the continuous vibration frequency is too high and the alarm warns continuously 5 times, the system judge that it is a fault trigger by bad environment (thunder, pile hammer, etc.) and stop warning automatically until the environment quiet down. If the environment is


quiet for 4 minutes, rearm again. The alarm system is still in arm, only mute siren. So it can avoid the fault trigger warning by the bad environment, save power and reduce the noise pollution up to the environmental protection requirement.

## 12.Learning Code

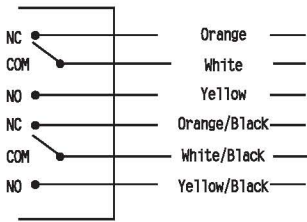
Put the car key in the key lock and turn it from OFF to ACC ON and from ACC ON to OFF again for 8cycles. When the flash lights are |ON, it is in Learning Code mode. when you can press any button on the transmitter once to learn code while the siren chirps once and the flash lights are OFF. By this way, you can learn max. 4 transmitters Every time of learning code, the new code would cover the old code. It is very safe.



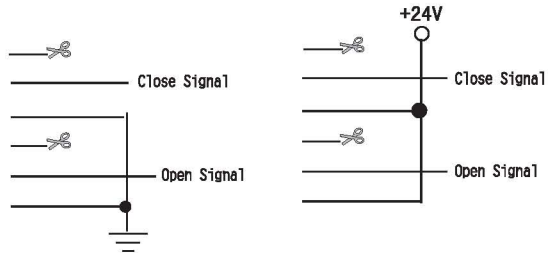


Press the button  on the transmitter for more than 2 seconds to release the trunk.

# Central Lock Wiring Diagram

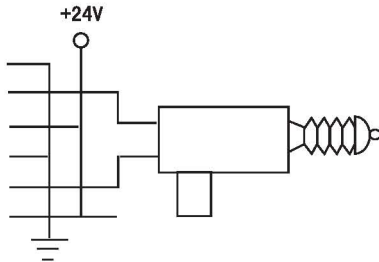


F1:Car Alarm Out-Port

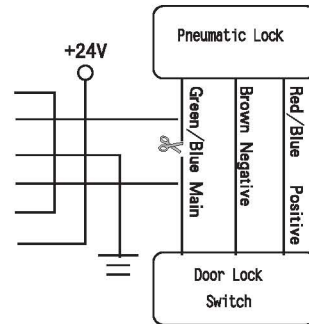


F2:Negative Trigger

F3:Positive Trigger



F4:Positive/Negative Trigger



F5:Pneumatic Lock

## **Car Alarm Installation Instruction**

### **The Brain Installation:**

The installation location of the brain usually is installed under the instrument panel or the disguise place where is over the driver's feet in the front of the driver seat. Find the brain installation place first, and then find what the brain will connect to, such as ACC, flash lights, brake light, illumination lights, power, etc.. The wire connection should be made perfect. After all wires connected, connect the sockets by sequence 12p, 3p, 5p, 2p. Before re-assembly the decoration panels step by step, you should check and test the wire connection.

### **Shock Sensor Installation & Test:**

After the brain installation finished, fix the shock sensor on the car. Adjust the sensitivity by the car size and your need. The sensitivity was set by our factory before off work, it is suggested that if not necessary, don't change it.

### **Shock Sensor Adjustment:**

There is a TED in the shock sensor which would flash when the sensor triggered. There is a knob which you can adjust the sensitivity with a driver. Turn to the right H, make the sensitivity higher, turn to the left L, make lower.

The shock sensors should be fixed on the car body or instrument panel as tightly as possible, to ensure the sensors can feel the shock.

## Car Alarm Electronic Specification:

### **A. Car Alarm Brain:**

Working Voltage: +24V

Static Current: 8mA (Exclusive of LED Display)

LED Display Current: 30mA (at Interval)

Shock Sensor Current: <1 mA

Output Current(max.): Flash Lights: 5AX2

Siren: 10A

Central Lock System: 10A

Working Frequency: 300 ~ 350 MHz

### **B. Transmitter:**

Working Voltage: 12V

Static Current: 0mA

Battery: 12V

Working Frequency: 300 ~ 350 MHz

## **Trouble Shootings:**

★ **After the brain fixed in the car, the siren sounded nonstop and could not be stopped by the transmitter.**

- ⊙ Check the socket connections correct or not.
- ⊙ Check the wire connections correct or not.
- ⊙ Check the switch positions correct or not.
- ⊙ Check the fuses broken or not.
- ⊙ Check the codes between the transmitter and the brain matched each other or not.
- ⊙ If you have a spare battery siren, please check the switch positions correct or not.

★ **The alarm would be triggered and sound when the car parked on roadside in arm, and there is a heavy duty truck, lorry passed.**

- ⊙ Check whether the sensitivity of shock sensor is too high.
- ⊙ Make the sensitivity lower

★ **The siren did not sound while the alarm was triggered.**

- ⊙ Check the siren first.

Check the wires connection between siren and brain correct or not.

★ **Can't Remote Control by Transmitter and LED not light.**

- ⊙ Check the battery and the voltage measured by voltmeter should be  $>10V$ .
- ⊙ Whether the battery is released power too much? It is suggested the battery changed annually.
- ⊙ Check the battery holding rusted or not.
- ⊙ Check the transmitter watered or not.
- ⊙ Check the transmitter broken or not.

★ **Can't Remote Control by Transmitter but LED on.**

- ⊙ Check the battery and the voltage measured by voltmeter min.  $10V$ .
- ⊙ Whether the battery is released power too much?
- ⊙ Check the transmitter frequency changed or not.
- ⊙ Check the transmitter watered or not.
- ⊙ Check the transmitter broken or not.

**Note:** You can use an OK transmitter instead of the doubted problem one to test and find the Problem. If both can't remote control, please check the brain, wire connection and power. It is not necessary to open the case.

★ **When in arm, the siren would sound within 10 seconds. In arm again after disarm, the same.**

- Ⓒ Check the shock sensor(s) normal or not.
- Ⓒ Check the shock sensor whether too sensitive.
- Ⓒ Check the shock sensor LED indicator.
- Ⓒ Check the wire connection, especially the brake light and illumination light wire.
- Ⓒ Check the pin switches

★ **The central lock system can't act normally even no action.**

- Ⓒ Check the actuators.
- Ⓒ Check wire connection and fuse. If the fuse broken, there must be installation problem.
- Ⓒ Check the wire connection again.

Please read the central lock system installation instruction and the diagram again.

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