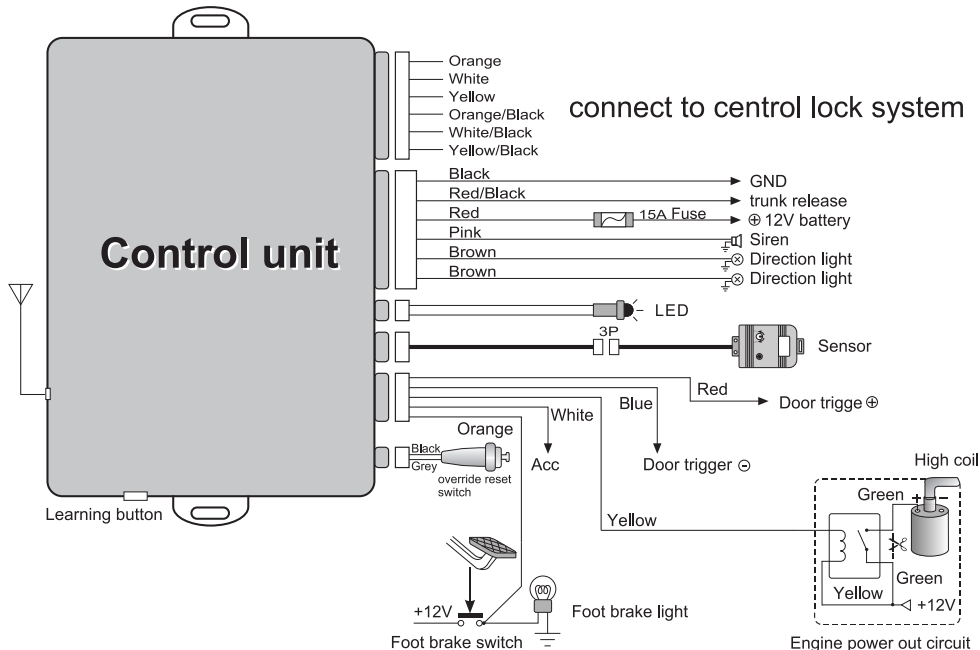


Installation diagram of control unit



Installation instructions

Install main unit of the system

The control box should be installed and fixed in a place under the dashboard. First, to fix the control box at a suitable place, then, identify the wires connected to ACC, flasher, foot brake lights, inside lights and power for the circuit connection. The circuit should be connected correctly. After testing the system and it is approved to work normally, install all parts uninstalled.

Install the sensor

To fix the sensor firmly on the car after the control box of the alarm system has been installed. The sensitivity of the sensor can be adjusted. The sensor has already been adjusted before delivery, please do not adjust it unless it is necessary.

Adjust the sensor:

There is an LED indicator on the sensor. It will be on when the sensor is shocked. There is a small button for adjusting the sensitivity. Turn it right or left to adjust high or low sensitivity. Do not strike the sensor while it is being adjusted. The sensor should be installed firmly to the car body or near dashboard.

Install central control door lock

There are more than ten types of central control door locks, The main four types of circuit diagram are provided for the installation.

1. For cars without central control door locks, it is advised to install a central control lock to cooperate with the car alarm system. (Fig.2 negative trigger)

2. If car has already been equipped with central control door lock, but there is only one switch in the door to control the other doors, then a motor should be installed to control the switches of the door. (Fig.4, positive and negative trigger)

Type of cars: FORD; MITSUBISHI; MAZDA; NISSAN; etc.

To take apart the car door and find a suitable place near the door switch to fix the central control motor, and then to fix the door switch and the motor switch together with the ready-made fittings. The action of motor of central control door lock will switch on/off the door lock.

3. The car has already equipped with central control door lock, there is a switch near the dashboard to control the other doors. You can judge whether it is positive or negative trigger, and install it according to the circuit diagrams.

Types of cars: HONDA; TOYOTA; RENAULT; GM series

4. If the formerly installed central control door lock is driven by baro-switch, which works successively with a control line in the driver's door and the operation of the lock can turn the control line into positive or negative trigger, you can choose a disjunction circuit. (Fig.5 baro-lock circuit diagram)

Types of car: AUDI 100; BENZ series

5. For any other types of car which is not mentioned here, please refer to item 2

Conecting to central lock system

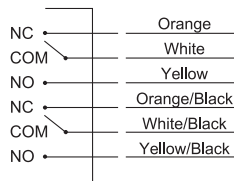


Fig.1 principle

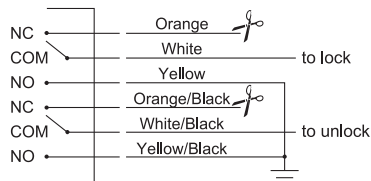


Fig.2 Negative trigger

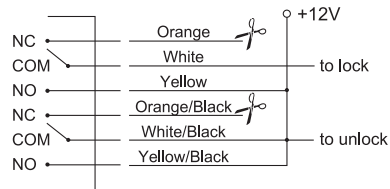


Fig.3 Positive trigger

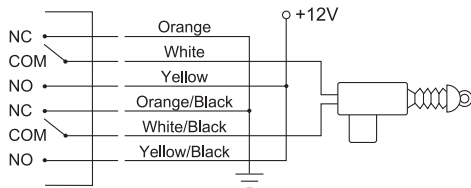


Fig.4 Positive/Negative trigger

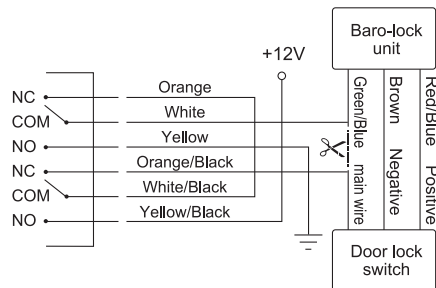


Fig.5 Baro-lock circuit

Technique Parameter

A. main unit

Voltage:	12V $\pm$ 2V
Static current:	< 20mA
LED current:	5 ~ 10mA
Siren current:	< 1mA
Output current (max):	direction light: 5A x 2, siren: 10A, central control door lock: 10A
Frequency:	433.92MHz
Power:	< 10mW

B. Remote controller

Voltage:	12V $\pm$ 2V
Static current:	0 mA
Frequency:	433.92MHz
Power:	< 10mW

Position in PCB(Factory setting*)

J1		Auto-rearming*
		No auto-rearming
J2		Alarm mode
		Mute mode
J3		Baro lock
		Electric lock*

Causes and Solution

1. The continuous beeps of the siren cannot be stopped by the controller after the installation of the control box	The plug is improperly inserted. The line is improperly connected. The fuse of the control box is broken. The codes of the remote controller and the control box are not identical. Something is wrong with the siren. The switch is in the wrong position.
2. When the car parks on roadside, there are false alarms by passing heavy vehicles	The sensitivity of the sensor is too high, to lower the level of the sensitivity.
3. The siren does not beep when the alarm system is touched	To check the siren. To check the circuit connection between the siren and the control box.
4. When the emitter is in use, the indicator or the controller is ineffective	Low voltage of the battery. (lower than 10v) Lower power of the battery. (Suggests to renew the battery once a year) Rusty battery spring. The remote controller is soaked or damaged.
5. When the remote controller is in use, the indicator on but it is ineffective to the control box	Low voltage of the battery. (lower than 10v) The frequency of the emitter has been adjusted. The remote controller is soaked. Use another remote control to compare the function. If both remote controllers do not work, please check the circuit connection of the control box and power.

Causes and Solution

6. Central control door lock does not work normally or does not work at all	The motor does not work normally. Improper circuit connection or broken fuse. Refer to installation instructions of central control door lock and circuit diagrams.
7. The siren beeps sharply in 10 seconds after arming	Disarming, rearming The sensor is not in normal status. The sensitivity of the sensor is too high. The indicator of the sensor does not light. Circuit connection especially of the brake light and the inside light on the edge of the door is not properly connected. The door or external PIN SW is not properly closed.
8. The beeper does not work	Improper battery installation. Low power of the battery. The beeper is soaked or damaged. Improper circuit connection of the beeper and the control box.

Warranty terms

Thank you for the purchase of our car alarm system. We warrant that any properly installed new system will be free from any failure, breakdown, defect or deficiency occurring within the period of 12 months following the date of purchase.

The warranty does not cover:

1. Damage caused by incorrect or poor installation, problems which may be caused by anomalies in the vehicle's electrical system or originating from the environment in which the system is operated;
2. Damage to the system caused by accident or improper use in any manner whatsoever not the fault of the product, including but not limited to damage by water or as a result of excess voltage applied to the system or if misused or repaired or altered in any way other than by us or our authorized agent.

Registration Details

This form must be filled in, kept handy and produced with any warranty claim, together with the purchase invoice and/or receipt.

Name:

Address:

Authorized dealer:

Purchase Date:

Vehicle type:

Registration No.:

Installers' Name:

Product Type:

Model No.:



Car alarm system

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Installation manual