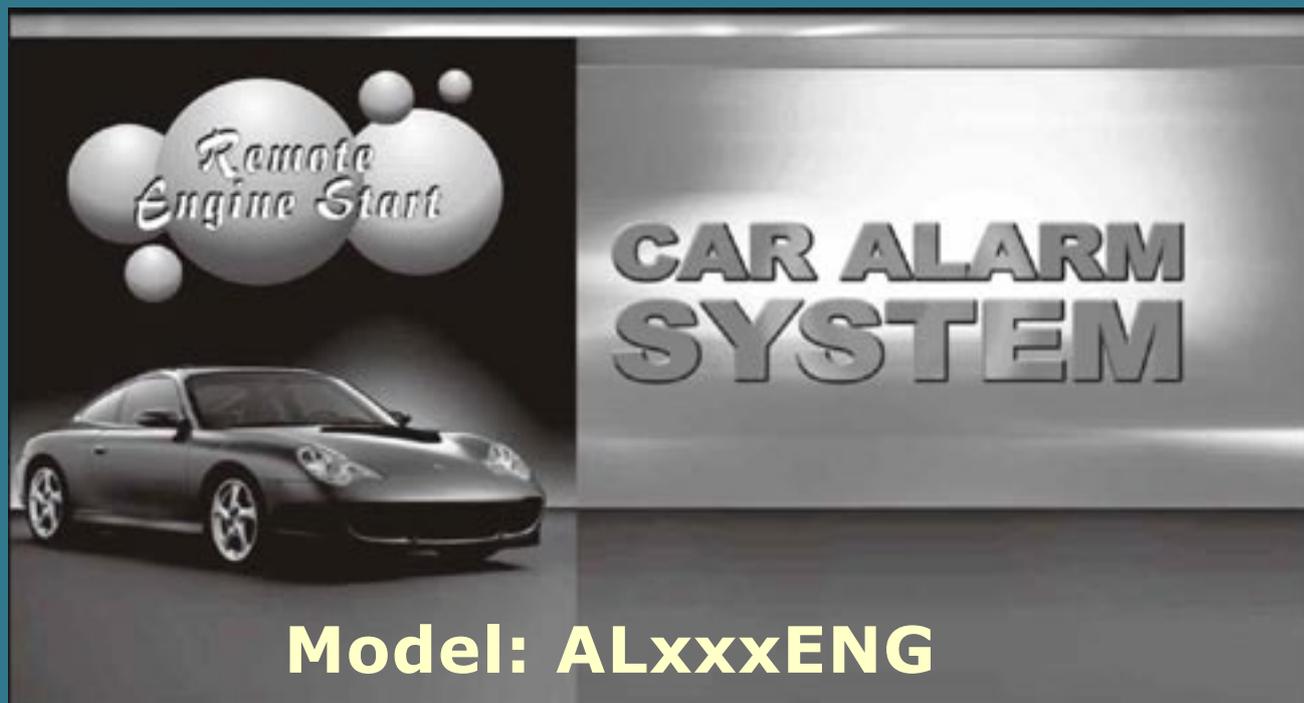


*Remote
Engine Start*

RightCLICK



Model: ALxxxENG

Operation Manual

NOTE: This product is intended for installation by a professional installer only! Any attempt to install this product by any person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

Please read the manual before installing the unit.

Installation Point To Remember

This product represents many years of research and development. It is very sophisticated and should be installed by experienced security installers only. Please do not attempt installation of this product without reading this guide. The system has been designed to provide the ultimate in security, coupled with limitless convenience and expansion options.

Do not disconnect the battery if the vehicle has an anti-theft coded radio. If equipped with an air bag, avoid disconnecting the battery if possible.

IMPORTANT! Many airbag systems will display a diagnostic code through their warning light after they lose power. Disconnecting the battery requires this code to be erased, a procedure that can require a trip to the dealer.

Deciding On Component Locations

Locations For The Siren

Some things to remember about mounting the siren:

- Keep it away from heat sources, such as radiators, exhaust manifolds, turbochargers and heat shields.
- Mount it where a thief cannot easily disconnect it, whether the hood is open or shut. Both the siren and its wires should be difficult to find. This usually involves disguising the wire to look like a factory harness.
- Mount it where a thief cannot easily disconnect it, whether the hood is open or shut. Both the siren and its wires should be difficult to find. This usually involves disguising the wire to look like a factory harness.
- We recommend against grounding the siren to its mounting screws. Instead, we recommend running both the red and black wires into the passenger compartment and grounding to one common point for all devices. After all, both wires are the same length and come already bonded together. Whenever possible, conceal your wires in the factory harnesses or in the same style loom as the factory.
- When possible, place the siren on the same side of the vehicle as the control module, where its wires will reach the control module's wires without extending them. Always run the wires through the centre of a grommet, never through bare metal!
- Point the siren down so water does not collect in it.

Locations For The Control Module (Main Black Box)

Some things to remember about where to mount the control module:

- Never put the control module in the engine compartment!
- The first step in hot wiring a vehicle is removing the driver's side under-dash panel to access the starter and ignition wires. If the control module is placed just behind the driver's side dash it can easily be disconnected.
- When mounting the control module, try to find a secure location that will not require you to extend the harness wires. Keep it away from the heater core (or any other heat sources) and any obvious leaks.
- The higher the control module is in the vehicle, the better the transmitter range will be. If you put the control module under a seat or inside a metal dashboard, range will suffer.
- Some good control module locations: above the glove box, inside the centre console, above the under dash fuse box, above the radio etc.

Antenna Position - Mounting the antenna

The antenna position should be discussed with the vehicle's owner prior to installation, since the antenna may be visible to the vehicle's operator. The best location for the antenna is centered high on either the front or rear windshield. For optimal range, the antenna should be mounted vertically. It can be mounted horizontally in relation to the windshield or under the dashboard away from metal, but range will be diminished. Metallic window tint can also affect range, so this should be a consideration when determining the mounting location.

After determining the best mounting location, follow these steps:

- The position and location of the antenna will affect the remote control range.
- route the antenna wire away from the control unit keeping the antenna as far away from metal as possible. Avoid running the antenna along any wire harnesses.
- Clean the mounting area with a quality glass cleaner or alcohol to remove any dirt or residue.
- Mount the antenna using double-sided tape.
- Do not shorten or lengthen the antenna.

IMPORTANT! To achieve the best possible range, DO NOT leave the antenna cable bundled under the dash. Always extend the cable full length during installation, regardless of the antenna mounting location.

Locations For Shock Sensor

Some things to remember about where to mount the shock sensor:

- Never put the shock sensor in the engine compartment!
- Find a spot close to the control module so that the wires do not need to be extended. Keep it away from the heater core (or any other heat sources) and any obvious leaks.

How the shock sensor is mounted is the most important factor in its performance. We recommend two methods:

- Using double-sided tape or hook-and-loop fastener to mount to a trim panel or an air duct,
OR
- Wire-tying to a wire harness.

If mounting the sensor where it cannot be easily reached for adjustment, hook-and-loop fastening tape (such as Velcro) is recommended for ease of removal for future adjustments.

NOTE: In many vehicles, tying the sensor to a steering column or screwing it to metal will result in poor sensitivity, especially at the rear of the vehicle.

Locations For The Ultrasonic Sensors - (OPTIONAL)

The (optional) Ultrasonic cells should be placed on the left and right side as high as possible so to obtain the best performance.

Inappropriate adjustment for the Ultrasonic sensor may let to a false alarm. To prevent the false alarm, make sure the sensibility of ultrasonic sensor is in an appropriate degree. An over adjustment is usually the main reason to cause false alarm.

Locations For The Status LED

Things to remember when positioning the Status LED:

- It should be visible from both sides and the rear of the vehicle, if possible.
- It needs at least 1/2-inch clearance to the rear.
- It is easiest to remove a small panel, such as a switch blank or a dash bezel, before drilling a 9/32-inch hole.
- Use quick-disconnects near the LED wires if the panel is removable. This lets mechanics or other installers remove the panel without cutting the wires.

LOCATIONS FOR THE IMMOBILISER RELAY - starter kill relay

If Immobiliser relay or its connections are immediately visible upon removal of the under-dash panel, they easily can be bypassed. Always make the relay and its connections difficult to discern from the factory wiring! Exposed yellow butt connectors do not look like factory parts, and will not fool anyone! For this reason, routing the Immobiliser relay wires away from the steering column is recommended.

Finding The Wires You Need

Now that you have decided where each component will be located, you're going to find the wires in the car that the security system will be connected to.

IMPORTANT! Do not use a 12V test light or logic probe (computer safe test light) to find these wires! Use a digital multimeter for all testing..

Obtaining Constant 12v

We recommend two possible sources for 12V constant: the (+) terminal of the battery, or the constant supply to the ignition switch. Always install a fuse within 12 inches of this connection. If the fuse also will be powering other circuits, such as door locks, a power window module, headlight control system, etc., fuse accordingly.

Finding The 12v Switched Ignition Wire - ON

The ignition wire is powered when the key is in the run or start position. This is because the ignition wire powers the ignition system (spark plugs, coil) as well as the fuel delivery system (fuel pump, fuel injection computer). Accessory wires lose power when the key is in the start position to make current available to the starter motor.

How to find (+) 12v ignition with your multimeter:

1. Set to DCV or Dc voltage (12v or 20v is fine).
2. Attach the (-) probe of the meter to chassis ground.
3. Probe the wire you suspect of being the ignition wire. The steering column harness or ignition switch harness is an excellent place to find this wire.
4. Turn the ignition key switch to the run position. if your meter reads (+)12v, go to the next step. If it doesn't, probe another wire.
5. Now turn the key to the start position. The meter display should stay steady, not dropping more than a few tenths of a volt. If it drops close to or all the way to zero, go back to Step 3. If it stays steady at (+) 12v, you have found an ignition wire.

Finding The Starter Wire - START

The starter wire provides 12V directly to the starter or to a relay controlling the starter. In some vehicles, it is necessary to power a cold start circuit. A cold start circuit will test exactly like a starter circuit, but it does not control the starter. Instead, the cold start circuit is used to prime the fuel injection system for starting when the vehicle is cold.

How to find the starter wire with your multimeter:

1. Set to DCV or DC voltage (12V or 20V is fine).
2. Attach the (-) probe of the meter to chassis ground.
3. Probe the wire you suspect of being the starter wire. The steering column is an excellent place to find this wire. Remember you do not need to interrupt the starter at the same point you test it. Hiding your starter kill relay and connections is always recommended.
4. Turn the ignition key switch to the start position. Make sure the car is not in gear! If your meter reads (+)12V, go to the next step. If it doesn't, probe another wire.
5. Cut the wire you suspect of being the starter wire.
6. Attempt to start the car. If the starter engages, reconnect it and go back to Step 3. If the starter does not turn over, you have the right wire.

Finding The Accessory Wire - ACC

An accessory wire will show +12V when the key is in the accessory ACC and run ON positions. It will not show +12V during the cranking cycle. There will often be more than one accessory wire in the ignition harness. The correct accessory wire will power the vehicle's climate control system (heating/air conditioning system). Some vehicles may have separate wires for the blower motor and the air conditioning compressor.

How to find the 12v accessory wire with your multimeter:

1. Set meter to DC voltage.
2. Attach the (-) probe of the meter to chassis ground.
3. Probe the wire you suspect of being the accessory wire with the (+) probe. The steering column harness or ignition harness is an excellent place to find this wire.
4. Turn the ignition key to the accessory and then the run position. If your meter reads 12V on each, go to the next step.
5. Turn the key to the start position. The meter should drop to zero. If it does, this is the correct wire.

Finding The Door Pin Switch Circuit

The best places to find the door switch wire are:

- At the pin switch: when testing the pin switch, check wire to ensure that it "sees" all the doors. Often, the passenger switch will cover all the doors even if the driver's switch will not.
- At the dome light: this may not be your best choice if the vehicle has delayed dome light supervision, but it will work in many Hondas, or any vehicle with completely diode-isolated pin switches.

Once you have determined the wire colour, the easiest place to connect to the wire is often at the kick panel, at the windshield pillar, or in the running board. When an easy location is not available, running a wire to the dome light itself is often best solution.

How to find a door pin switch trigger wire with multimeter:

1. Set to DCV or Dc voltage (12v or 20V is fine).
2. In most Fords, fasten the (-) probe of the meter to chassis ground. In most other cars, fasten the (+) probe of your meter to (+) 12v constant.
3. Probe the wire you suspect of being the door trigger wire. If the meter reads (+) 12v when any door is opened, you have found a trigger wire..

NOTE: Make sure the wire you use "sees" all the doors! Some newer GM vehicles lack standardtype pin switches. The dome light in these vehicles is turned on when the door handle is lifted. These usually have a blue/white or white wire coming out of the door into the kick panel which will provide a (-) trigger for all doors. Some GM vehicles (some Cavaliers, Grand Ams, etc.) have a yellow wire coming out of the door which provides a (+) door trigger.

Making Your Wiring Connections

Before making your connections, plan how your wires will be routed through the vehicle. In order to keep the wiring neat and make it harder to find, you may wish to wrap these wires in electrical tape or conceal them in tubing similar to what the manufacturer used.

There are two acceptable ways of making a wire connection - solder connections and crimp connectors. When properly performed, either type of connection is reliable and trouble-free. Regardless of whether you solder your connections or you use mechanical-type crimp-on connections, ensure that all connections are mechanically sound and that they are insulated.

Cheap electrical tape, especially when poorly applied, is not a reliable insulator. It often falls off in hot weather. Use good-quality electrical tape or heat shrink.

- Never twist-and-tape the wires together without soldering.
- Never use "fuse taps", as they can damage fuse box terminals.

If you use tapping connectors such as 3M T-Taps (not to be confused with Scotch-Locks), avoid using them in higher-current applications (constant 12V, ground, etc.). Some tapping connectors are inferior in quality and should be avoided.

Hazard Light Output

The hazard light output/s is used to flash the hazard lights when the vehicle is armed or disarmed, the doors are locked and unlocked with the remote, when the alarm is triggered...

Connecting the hazard light output is not necessary, but recommended. The (+) hazard light wires are often found at the fuse box or in the kick panel.

Turning signal control:

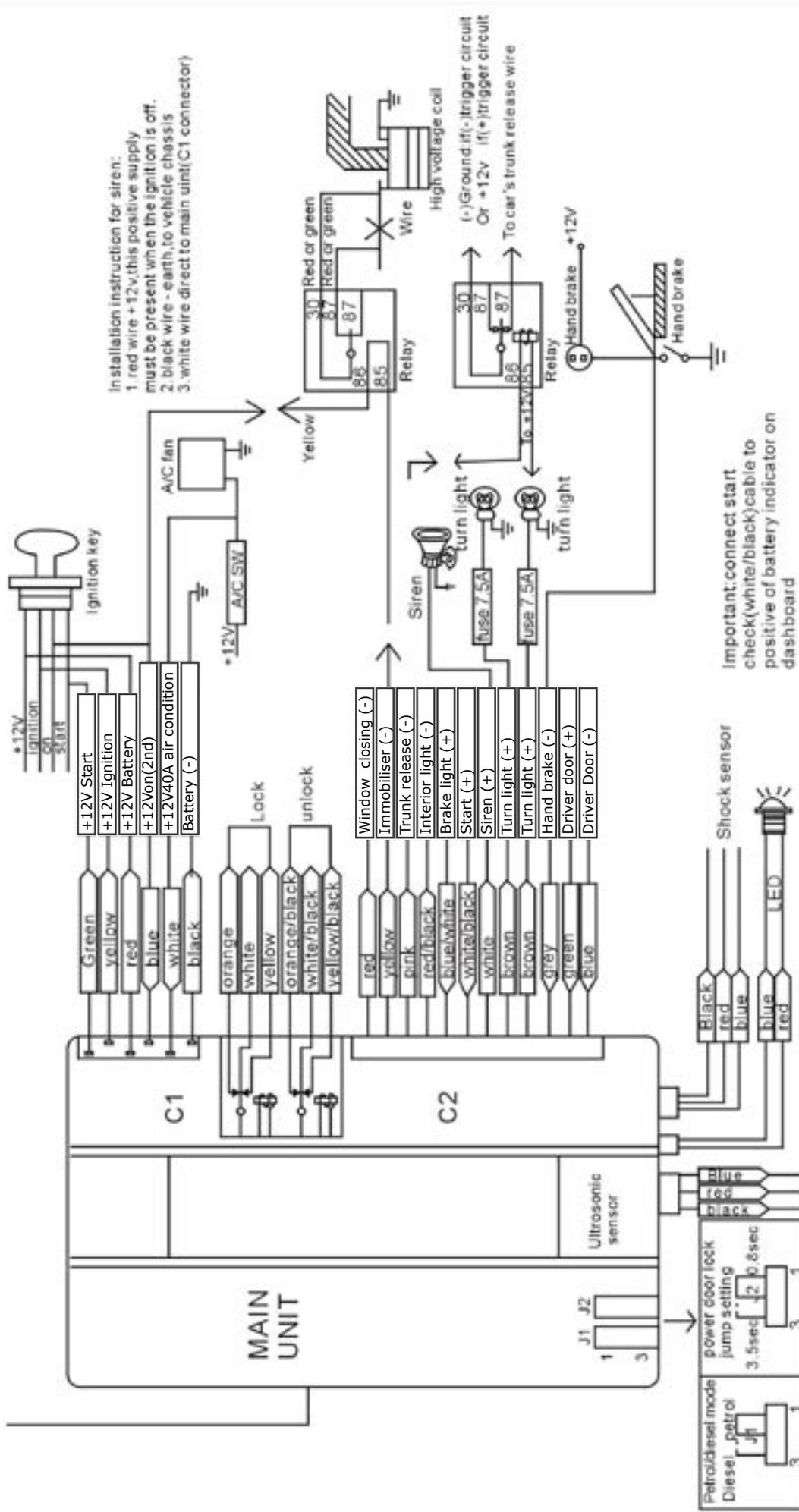
1. Find/Determine both wires that carry +12 volt when having the turning light switched on.
2. Connect the turning light wires (from the main unit) with either the right side turning light, or the left side turning light.

Note: Most vehicles manufactured in Germany have cable colours as follows:

(black/white - turning signal left side)

(black/green - turning signal right side)

remote engine start car alarm system



In installation instruction for siren:
 1. red wire +12v, this positive supply must be present when the ignition is off.
 2. black wire - earth, to vehicle chassis
 3. white wire direct to main unit (C1 connector)

Important: connect start check (white/black) cable to positive of battery indicator on dashboard

Factory default: J1(1&2) petrol mode J2(1&2) 0.8sec

Petrol/diesel mode Diesel, petrol J1 3.5sec J2 0.8sec
 power door lock jump setting 3.5sec J2 0.8sec

car alarm system

BASIC FUNCTION:

A. Arming Setting

1. Press arm button once, the siren sound once, lights flash once, the doors were locked, the engine was power off. The auto central door lock will lock automatically, dynamoelectric window will uprise automatically, LED will flash, under such condition, the system will enter into arming status 3 seconds later.

2. When the owner set the arming, if the siren beep once and another three brief beeps were sent 3 seconds later, which indicate the owner that the doo was not closed well. The system will round this arming area, but other arming area still is effective.

3. Pressed the arm button or 2 seconds, the system will enter into threat status, under such condition, siren will sound with turn light flashing. Pressed any button to free this status. The system will return back original arming status 30 seconds later.

4. Under arming status, pressed any button once, the siren will sound with turn lights flashing for 2 seconds to show the car location.

5. Under arming status, if the shock sensor was triggered, the arming system would enter into light and sound arm mode. For the first shock, the siren will sound 8 times, turn lights will flash 8 times. For the second shock, light and sound arm mode for 30 seconds.

6. Under arming status, if the door or ACC was triggered, the system should give an alarm for 30 seconds. After the arimg stopped 3 seconds later, if the trigger trouble was solved, the system should return back the original arming mode automatically, otherwise, the system will re-start arm 3 seconds later, this condition should progressed repeatedly until the trigger trouble was solved.

7. Alarm Pause

When the car is alarming, you can pause the alarm by pressing any button. The system is still in armed mode.

8. Under arming status, pressed lock button and unlock button coinstantaneously for 2 seconds, the siren would sound once, then the shock sensor and ultrasonic sensor were be closed. If the siren sound twice, shock sensor and ultrasonic sensor were be opened.

9. Remind to Lock Door

When the car is parked, the owned left car 10 seconds later, the siren would sound three times, which reminds the owner to arm his car.

B. Unlock

1. Under arming model, press UNLOCK button once, disarm a car, open the door and engine, the siren would sound twice with turn lights flashed twice. Under slient arm model, the siren would not sound.

2. If the car was triggered once, the siren would sound in different way to indicate which arming area was triggered.

car alarm system

Alarming Identification	Non-silent arming model	Silent arming model
Released via common way	Siren sound twice & turn light Flash twice	turn light Flash twice
Shocksensor was triggered	Siren sound three times & turn Light flash three times	Siren sound once & turn light Flash three times.
Door was triggered	Siren sound our times & turn Light flash four times	Siren sound twice & turn light Flash four times

3. Being disarmed, if the door is not opened in 25 seconds, the door would be locked again, and the system will return to the original armed mode. But if the door was opened, there will not be this status.

C. Remote threat/search the car

1. When ACC is ON position, pressed lock button for 2 seconds, threat model was started, then siren sound continuously with turn light flashing for 30 seconds. The system will return back the original arming model automatically 30 seconds later. Press any button to free this.

2. Under arming status, press lock button once, then the system enter into light and sound arming model, turn lights will light and the siren sound for 2 seconds, which indicate the car location.

D. Silent arming model

1. Under disarming status, press silent button once, the turn light flash once, the door locked, engine was power off. Then LED flashed, the system enter into silent arming model 3 seconds later.

2. Under silent arming status, if the shock sensor was triggered for first time 30 seconds, the turn light would flash 8 times, the siren without sound. But if the door or ACC was triggered, turn light would flash and siren sound for 30 seconds.

Under silent arming status, press the silent button, the turn light would flash for 2 seconds, which indicates the car location. If pressed lock button, the turn light would flash and siren would sound for 2 seconds, which indicates the car location.

E. Trunk release: Under disarming model, or ACC is ON position, press unlock button for 2 seconds to release trunk and disarm the system.

F. Anti-hijacking

During the course of driving, ACC is ON position, press the silent button for 2 seconds, the turn lights will flash quickly, and press the lock button once within 15 seconds, then the siren sound, turn light flash. Under such condition, the system enter into anti-hijacking status, the engine will be flameout within 15 seconds. Only the unlock button can free this.

car alarm system

G. Automatic door lock and unlock

1. During the course of driving, press lock button or unlock button, the door can be opened or closed automatically, but the alarm system will not be started.
2. Being disarmed, after the owner entered into the car and closed the door, then turn ACC on position. a step on the foot brake 15 seconds later, the door will be locked automatically.
3. When the engine is stopped, after pulled out the key, the door will be unlocked automatically.
4. If the door was not closed well, or the key is not on the ON position, the door will not be locked automatically.

H. remote start engine

The owner can choose to start engine immediately, or start engine with checking condition of the car.

A) start engine immediately

1. Press the starter button, the siren sound once, the engine was started 1.2 seconds later.
2. After engine started, the turn light flash, and air-conditions was started 20 seconds later.
3. Under the status of engine was started, press the starter button to make the engine return back the original status.
4. Under arming status, if the engine was started, the system will check automatically. If the door was opened, engine would be closed at once, the door locked automatically with turn light flashing and siren sounding for 30 seconds.
5. Under the status of engine is started, press unlock button to unlock the door and make the owner enter into car.
6. The engine was started 6 minutes later, siren will sound for 2 seconds to make response, and the system will close the engine automatically and return back to the original status.

Note: For diesel car, only adopted the below model to start the engine.

B) Start engine via checking condition of the car

1. Pressed the start button, after the siren sounded once, and turn light flashed three times, the engine was started immediately.
2. After the engine was started, the turn light flash, and air-conditions was started 20 seconds later.
3. Under the status of engine was started, press the starter button to make the engine return back the original status.
4. Under arming status, if the engine was started, the system will check automatically. If the door was opened, engine would be closed at once, the door locked automatically with turn light flashing and siren sounding for 30 seconds.
5. Under the status of engine is started, press unlock button to unlock the door and make the owner enter into car.
6. If the car can't be started at the beginning, or the engine is closed, the system would check automatically and re-start the engine automatically..

car alarm system

7. The engine was started 6 minutes later, siren will sound for 2 seconds to make response, and the system will close the engine automatically and return back to the original status.

Note:

1 When the hand brake has not been pulled or handbrake is not in neutral gear, the siren will sound two times to indicate the car is under exceptional condition, and the system can't work as usual.

2 The system only can be started 5 times, after the fifth time, the system will long sound twice, which indicates the car already can't be started.

I. Flash Mode of LED.

Flash slowly: arming/emergency help/anti-thief light for long time: Under the auto armed model.

Die: disarming model.

J Dome Light Time Lapse(OPTIONAL)

In disarmed mode, the dome light will be on automatically for 30 seconds to let the driver check status inside the car.

K Matched the slot for ultrasonic sensor(CN1)

Under arming status, if the ultrasonic sensor checked that there are any person or something inside the car, the system give an alarm with light and sound for 30 seconds. If the problem was not be solved, the system will give an alarm again 3 seconds later, until the fault was removed.

L Remind to lock door

1 Before driving, if the door was not closed well, before the key was turned ON position, the turnlight will light for 30 seconds, which indicate the owner to lock the door.

2. Before driving, if the door was not closed well, the key have already been ON position, turn light will be flashing all the time, until the the door was closed well.

M. Auto closed the window

Press the lock button once, the system will make a 500MA negative signal output for 1 second. If the door was not opened or ACC was not be turned, the system will not have any negative signal output. Memory the Original Mode of Power-off

N. When the alarm system is destroyed and power is off, this system can return to the original mode before the power is off.

O. Learning code

4 remotes can be learned once, the way as follows:

Under disarming status, turn the key 5 times between ON and OFF within 2 seconds, and stopped ON position at the fifth time. Then the siren will sound once for long time, which indicate the system enter into learning 1. code model. Then pressed any button of remote within 10 seconds, the siren will sound once for long time, followed a brief sound, which indicate the first remote learnt successfully. (you can learn code at any time within 10 seconds, if the remote didn't get the new code within 10 seconds, the system would exit the learning status automatically, and the siren would sound once for long time to indicate this). The second and third and fourth

car alarm system

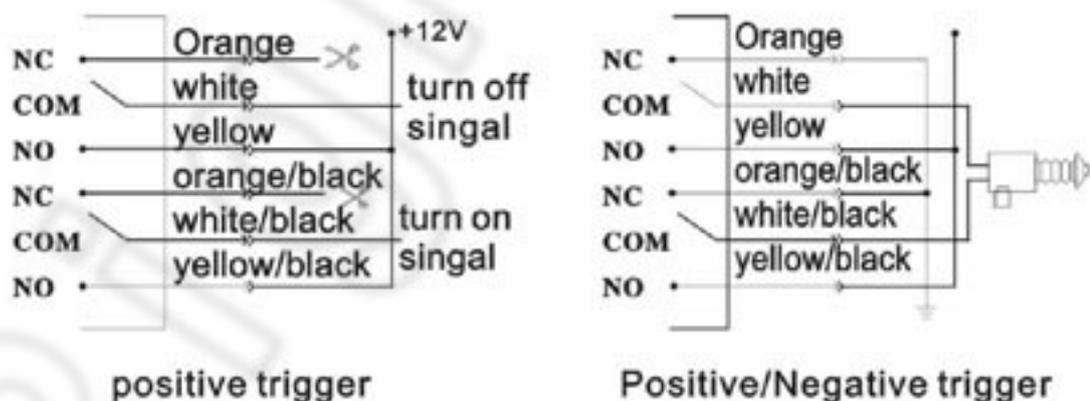
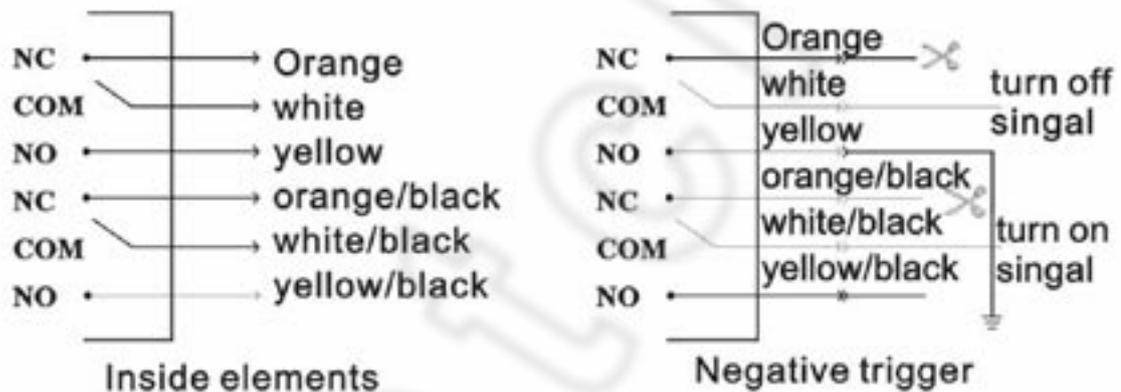
remote can be learned at the same way, and after the fourth remote finished learning, the siren would sound for long time to indicate the system have been exit the learning status.

Note:

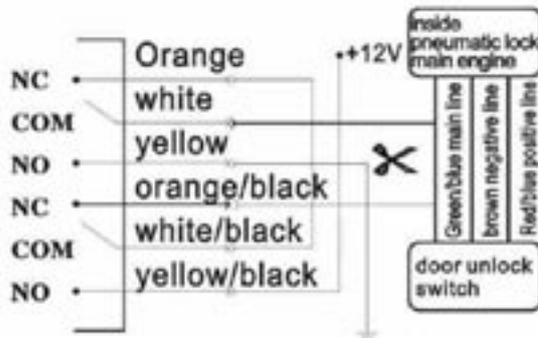
(1) During the course of learning code, closed the key or without any operation on the remote within 10 seconds, the system all exit the learning status automatically, at the same time, the siren will sound one time to indicate.

(2) The system will eliminate the original code for every time learning. So when the owner learned the code, pls learn all remotes should be used. Override/Reset SW.

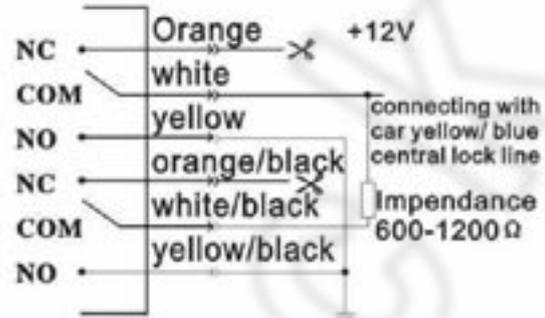
If the user lost the remote control or the remote was destroyed, he can force to open the door with a key. At this time, the system will alarm. Turn the ACC between ON and OFF position for 5 times, after the siren sound three times, the system was disarmed.



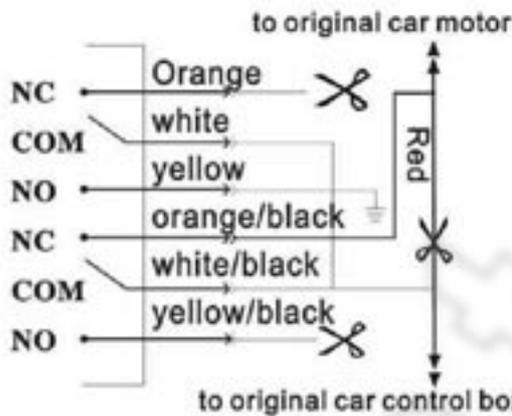
car alarm system



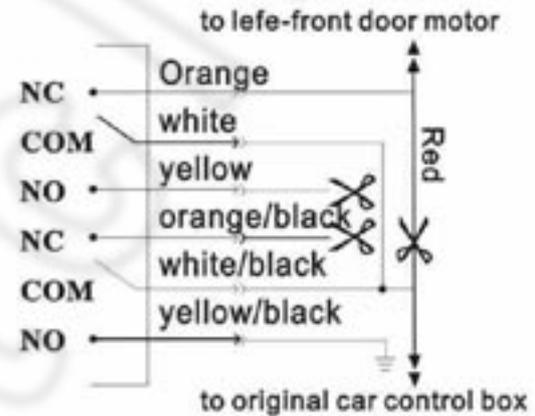
Pneumatic lock connecting line



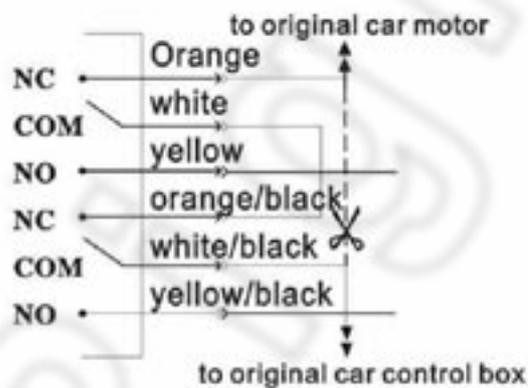
Two-potential negative trigger (Volkswagen-Passet, Volkswagen-Bora)



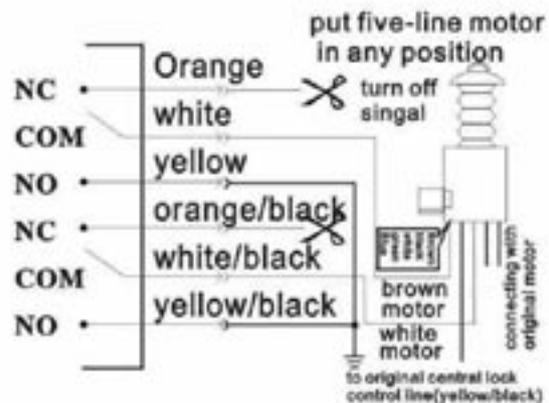
Single line in series negative trigger (Volkswagen Santana 2000)



Single line in series negative trigger (Freeca, Volkswagen-Jetta)



Switch in series



Single line negative trigger (zhonghua)

car alarm system

NOTE:

installation of central lock need to choose suitable wire diagram for main unit according to trigger way of central lock ,try to avoid aleak and dust position(release output of cool air),in case of immersing water.antenna should be vertical,avoide metal acces sories in case of influence remote distance,leave wire a littl more long,fixed various accessories well,don't too be tight in case of shock,and then reuslting in losse wire .

refer to wire color of car alarm system installation(reference)

Audi A6 central door lock wire:brown/yellow direction light:black/white,black/green side door wire:green/yellow	Volkswagen-Passet central door lock wire:Red/blue,red/green direction light:black/white,black/green side door wire:brown/white	Citroen-Elysee central door lock wire:gray,orange direction light:brown side door wire:red
Toyota-Vios central door lock wire:black/red,blue/yellow ACC ON:blue direction light:green/yellow,green/black side door wire:red/white brake wire:green/white	Lexus central door lock wire:pink/black,green/red ACC ON:black/orange,black/yellow direction light:green/yellow,green/black side door wire:red/white brake wire:green/white	Honda-Fit central door lock wire:yellow,black/white ACC ON:black/yellow direction light:green/red,green/yellow side door wire:green/red brake wire:white/black
Nissan Sunshine 1.8 central door lock wire:purple,pale green/red side door wire:red/white	Opel 2.0 central door lock wire:brown/red,brown/white ACC ON:black/purple direction light:black/white,black/green side door wire:gray brake wire:black/yellow	Volkswagen-Bora central door lock wire:green/red,green/yellow ACC ON:black direction light:black/white,black/green side door wire:brown/white brake wire:red/black
Volkswagen-Santana 2000 ACC ON:black direction light:black/white,black/green side door wire:brown/white brake wire:red/black	Citroen 2.0 direction light:yellow,brown(green socket) side door wire:purple(blue socket)	Toyota RAV4 central door lock wire:blue/yellow,blue/orange ACC ON:black direction light:green/black,green/yellow side door wire:red/white brake wire:green/white
Toyota-Coaster central door lock wire:white/yellow,black/yellow ACC ON:black/green direction light:black/white,black/green side door wire:brown/blue brake wire:green/red/black	Honda 2.4/3.0 central door lock wire:pink/blue,pink/black ACC ON:black/red direction light:brown,rd/blue side door wire:green/red brake wire:white/black	Nissan 2.0 central door lock wire:green/red,yellow/green ACC ON:blue/white direction light:green/black,green/yellow side door wire:white/red brake wire:red/green
Daewoo ACC ON:pink direction light:oxford blue, pale blue side door wire:white brake wire:black	GTX ACC ON:black direction light:black/white,black/green side door wire:brown/white brake wire:red/brown	XiaLi 2000 central door lock wire:gray,green ACC ON:black/yellow,black/red direction light:green/black,green/yellow side door wire:red/white brake wire:green/white

car alarm system

Buick 8 seats

central door lock wire:white,pale blue
ACC ON:green/blue,pale blue/yellow
direction light:green/black,green/yellow
side door wire:yellow
brake wire:white

TOYOTA PREVIA

central door lock wire:blue/white,blue/silver
ACC ON:black/red
direction light:green/yellow,green/blue
side door wire:red/white
brake wire:green/white

TOYOTA CRESSIDA

central door lock wire:red/white,green/red
ACC ON:black/red, red/white
direction light:green/black,green/yellow
side door wire:red/silver
brake wire:green/black

Honda-Accord 2.3

central door lock wire:orange,orange/black
ACC ON:yellow,yellow/black
direction light:green/blue,green/yellow
side door wire:black/white
brake wire:white/black

Nissan

central door lock wire:pale yellow,gray/green
ACC ON:black,white
direction light:pink/blue,black/white
side door wire:red/white
brake wire:black/yellow

Fiat-Siena

central door lock wire:blue,green/black
ACC ON:pink
direction light:red,white/yellow
side door wire:blue

Volkswagen-Jetta

ACC ON:black
direction light:black/white,black/green
side door wire:brown/white
brake wire:red/black,brown

XiaLi

central door lock wire:brown/yellow,green/black
ACC ON:yellow/black
direction light:green/yellow,green/black
side door wire:red/white
brake wire:green/white

Sail

central door lock wire:brown/red,brown/white
ACC ON:pink
direction light:black/green,black/white
side door wire:gray

TOYOTA CAMRY 2.4

central door lock wire:blue/yellow,blue
ACC ON:black/red
direction light:blue/yellow,green/black
side door wire:red/black
brake wire:green/white

JinBei-Haishi 4Y

ACC ON:black/red,black/yellow
direction light:green/black,yellow/white
side door wire:red/white,red/black
brake wire:green/white

Honda CRV

central door lock wire:white/blue,white/green
ACC ON:black/yellow
direction light:green/red,green/yellow
side door wire:green/red (gray socket)
brake wire:white/black

Cherokee

ACC ON:blue
direction light:pale blue/yellow,blue/green
side door wire:yellow

Fiat-Palio

central door lock wire:blue/white,white/black
ACC ON:oxford blue
direction light:pink
side door wire:blue/white,white/black
brake wire:green

ZhongHua

ACC ON:blue
direction light:blue/black,pale blue
side door wire:black
brake wire:red/white

South east Freeca

central door lock wire:green/red,green/black
ACC ON:black/white
direction light:blue/green
side door wire:green/red
brake wire:white/red

Mazda

ACC ON:red/white
direction light:green/black,green/white
side door wire:yellow/red
brake wire:green/yellow

TOYOTA CROWN

central door lock wire:black/red,black/yellow
ACC ON:black/orange,black/yellow
direction light:green/yellow,green/black
side door wire:red/white
brake wire:green/white

Toyota-Jeep 4500

central door lock wire:blue,green
ACC ON:blue/yellow
direction light:blue/white,blue/black
side door wire:red/yellow
brake wire:blue/yellow

Honda Odyssey

central door lock wire:white/green,white/blue
ACC ON:black/yellow
direction light:green/red,green/yellow
side door wire:black/white
brake wire:white/black

Geely-Meiri

direction light:green/white,green/yellow
side door wire:red/white
brake wire:black

Ford

ACC ON:black/green
direction light:green/white,blue/white
brake wire:red/green