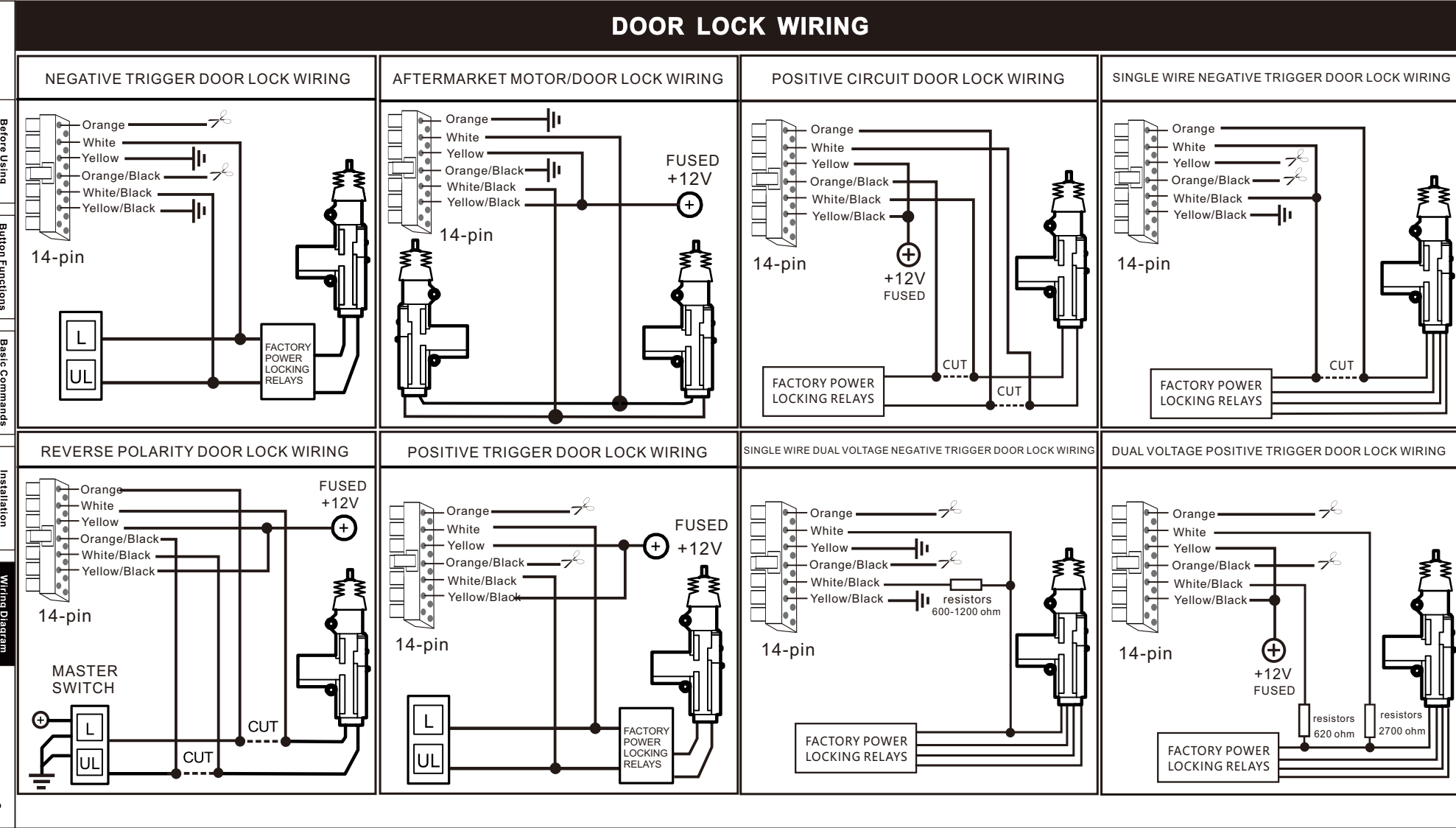
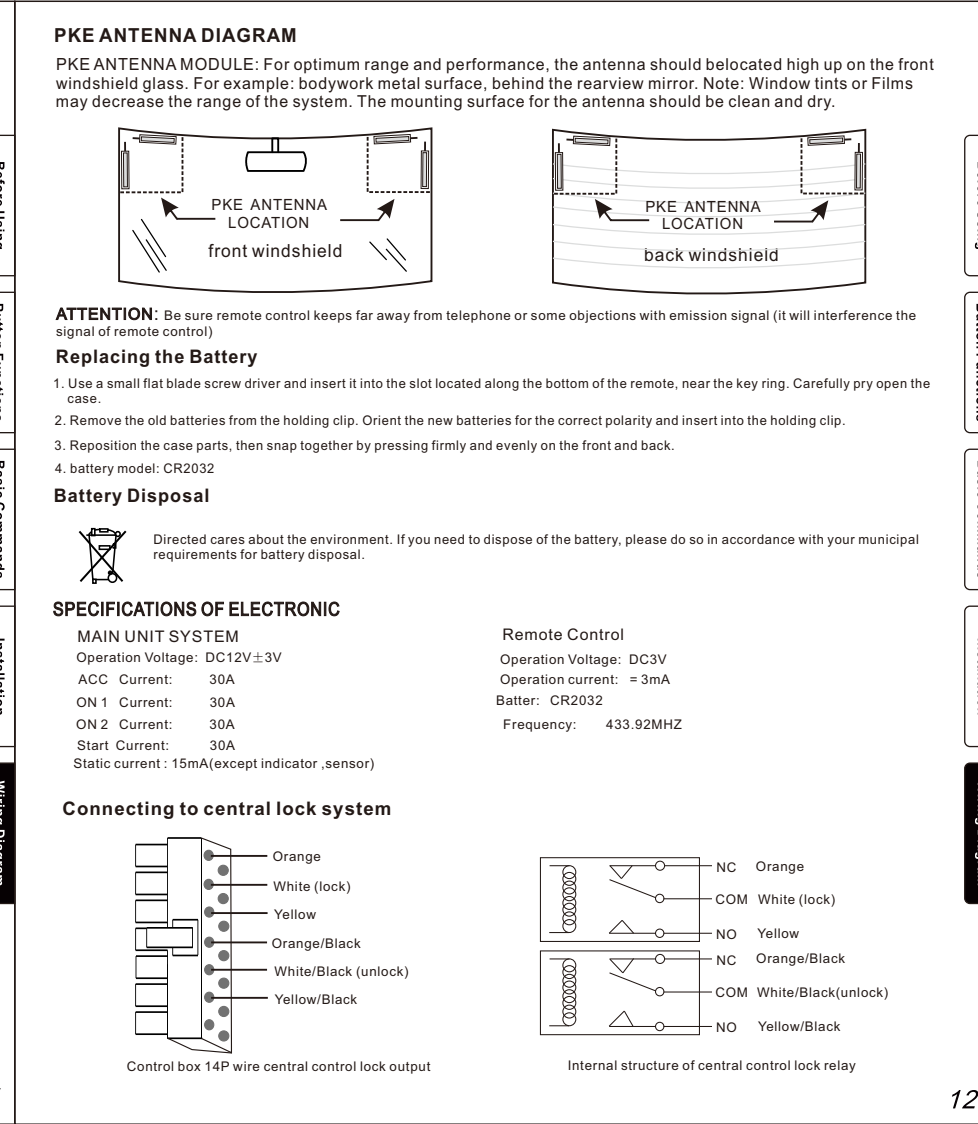
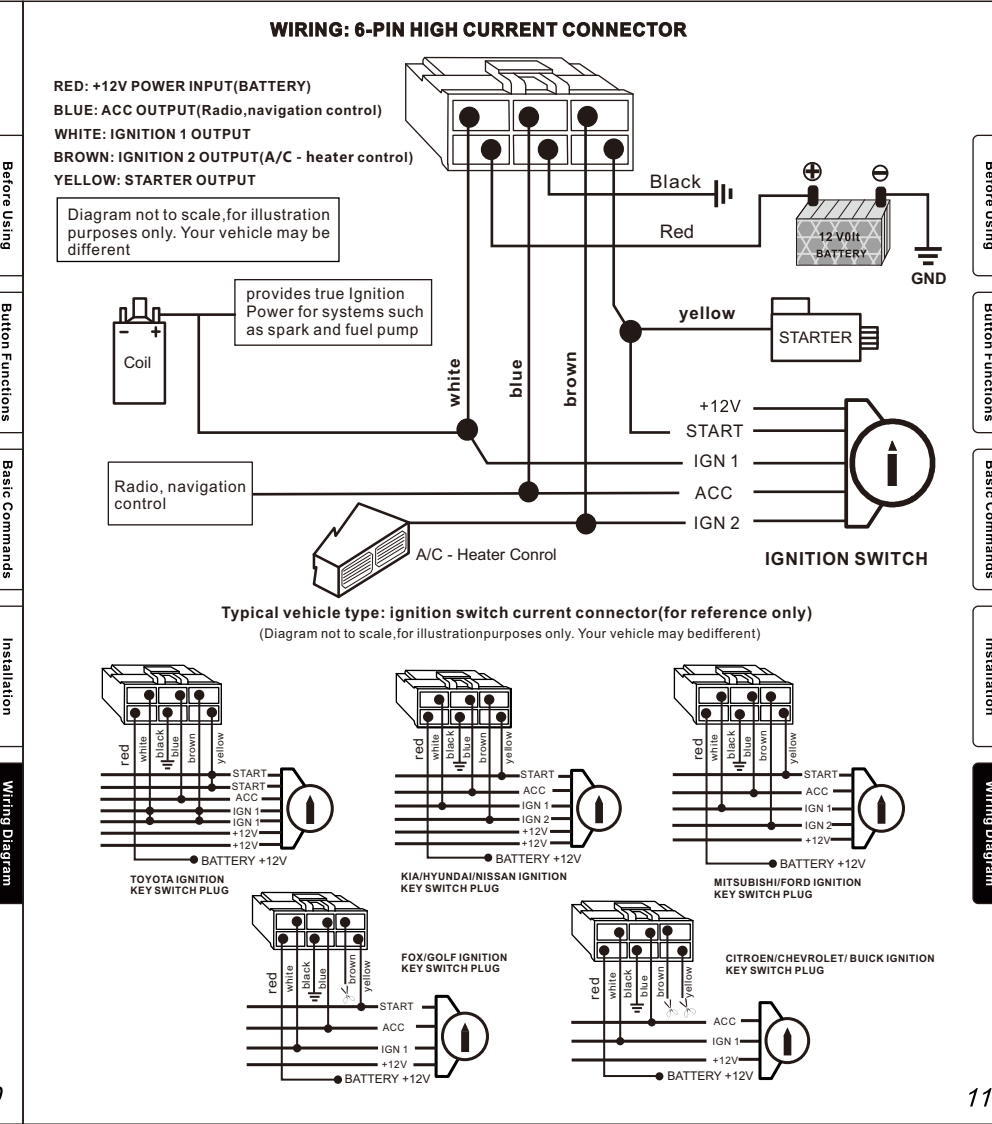
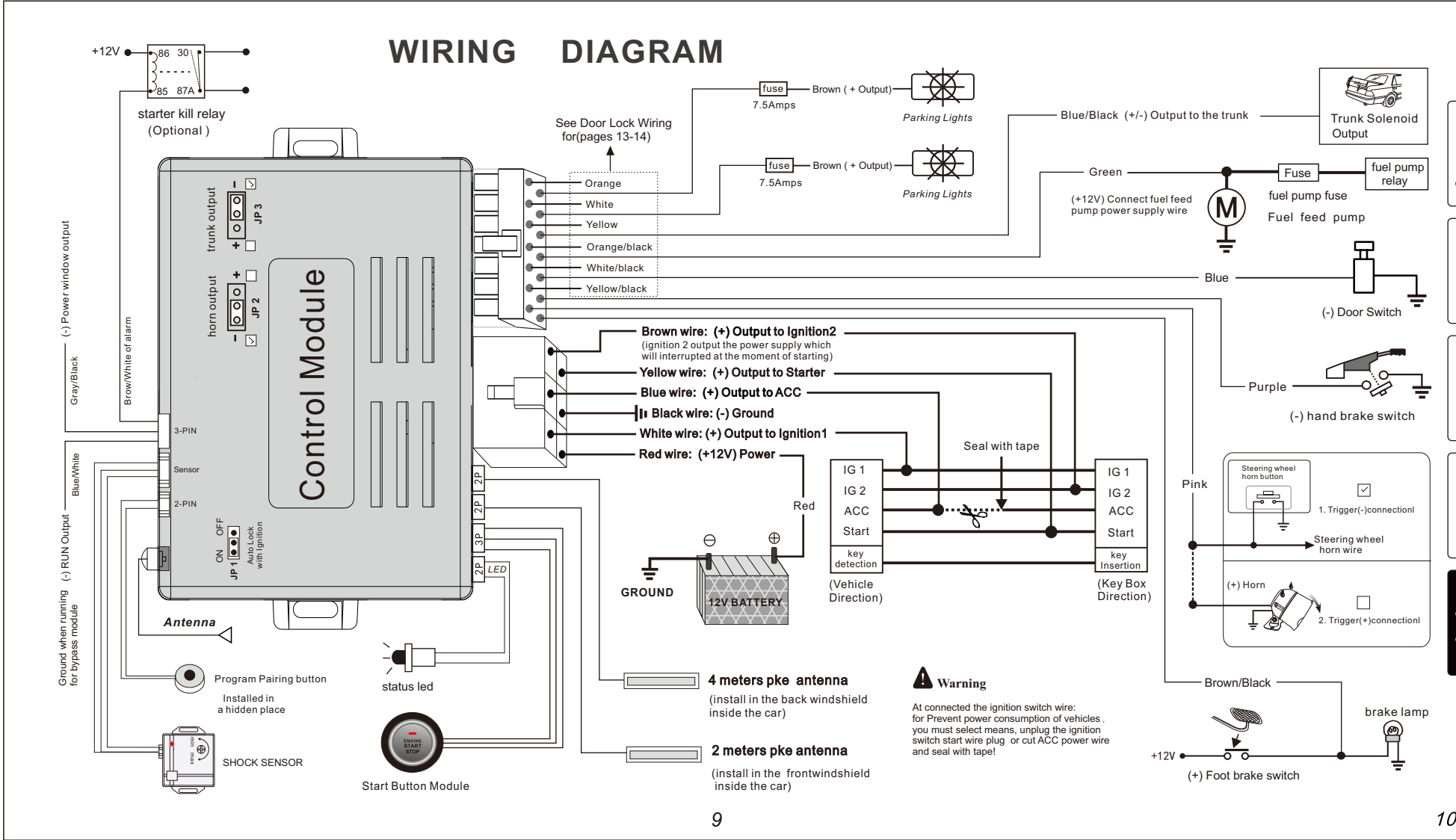




PKE alarm with remote & engine push start anti-theft device

NK-9003B

INSTALLATION HANDBOOK

INSTALLATION INSTRUCTIONS

Congratulations on your choice of a nengke combination alarm & remote engine starter system. This installation book is designed for the installer or individual with an existing understanding of automotive electrical systems, along with the ability to test and connect wires for proper operation. To ease installation, we suggest that you READ THIS MANUAL before beginning your installation. This book is provided as a GENERAL GUIDELINE and the information contained herein may differ from your vehicle.

This is an intelligent PKE car alarm with remote engine start. It is a universal version and fits for most of automatic/manual transmission vehicles, petrol/diesel vehicles.

Compatibility:

1. can't work with double pulse unlock signal vehicles!
2. can't work with factory push start button vehicles!

DISCLAIMER:

Nengke security products, Inc. and its vendors shall not be liable for any accident resulting from the use of this product. This system is designed to be professionally installed into a vehicle in which all systems and associated components are in perfect working condition.

This device complies with FCC Rules part 15. Operation is subject to the following two conditions:

- 1) This device may not cause interference.
- 2) This device must accept any interference that may be received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

BEFORE BEGINNING, check all vehicle manufacturer cautions and warnings regarding electrical service (AIR BAGS, ABS BRAKES, ENGINE / BODY COMPUTER AND BATTERY).

PLAN OUT YOUR INSTALLATION. You should pre-determine the location of the Control Module (Brain), Valet button, LED, and Siren locations. This will save time and ease the installation process. **USE VOLTCOM METER** to test and locate all connections. Test Lights or Lighted Probes could possibly damage a vehicle's computer system or cause an airbag to deploy.

ADDITIONAL PARTS, that are not included with this unit, may be needed for your particular vehicle. These items may include extra relays, Door Lock Interface Modules, or Transponder Override modules

REV 07.2023

Remote Control Command Table

Level	Basic commands	Advanced Commands
Button	Direct Access press one times	Continuous press two times
Arm/Lock	Enter silent lock/unlock mode	Car Finder
Disarm/Unlock	Exit silent lock/unlock mode	Trunk release
Car Finder	Remote start & Remote stop	Silent alarm selective shock sensor disable

* On some remote controls, the icon may exist instead of the icon. Functionality is the same regardless of which one of these icons is used with your system

1. Arm/Lock Press and release

The alarm arms, doors lock (if connected), and the siren chirp and parking lights flash once, the status LED indicator flash, as confirmation, the system enter into arm status (the engine will be immobilized). If Valet mode is ON, the doors lock with no chirp confirmations and no parking lights flash. Exit Valet mode to arm the alarm normally. If a trigger zone fault is detected the siren chirps once again.

2. Disarm/Unlock Press and release

The alarm disarms, doors unlock (if connected), and the siren chirp and parking lights flash twice, the system enter into disarm status. If Valet mode is ON, the doors unlock with no chirp confirmations and no parking lights flash. Exit Valet mode to disarm/unlock the alarm normally.

3. Silent arm (selective shock sensor disable)

- 1) When parking, the engine is OFF, close all doors, press and release once to lock the door, (if connected), without horn honks, parking lights flash once, the LED indicator will flash, then it is in silent arm status. In silent arm status, the siren will not chirp if it is triggered.

4. Silent lock&Silent Unlock mode

- 1) Push start engine status, continuous Press button twice, the siren will chirp once, to enter Silent arm & Silent lock/Unlock mode
- 2) Push start engine status, continuous Press button twice, the siren will chirp twice, to exit Silent arm & Silent lock/Unlock mode

Silent Arm Press and release

The doors lock (if connected) and the parking lights flash once, without horn honks, the siren will not chirp if it is shock sensor triggered.

Silent Disarm Press and release

The doors unlock (if connected) and the parking lights flash twice, without horn honks, the siren will not chirp if it is shock sensor triggered.

5. Remote Trunk release Press and hold for 3 seconds or continuous press for twice to release trunk

In arm status, it will not alarm if shock triggered when release trunk, but it will alarm by door opened, ACC ON and footbrake triggered.

6. To Arm and car finder/panic

When the engine is OFF, press and hold for three seconds or press (to) one time sounds the siren and flashes the parking lights, to locate your vehicle, press the or button one time to stop the output.

7. Door intruding alarming

In arm status, if car door is opened, it will trigger the enter arm mode, then siren would chirp for 25 seconds while flash lights gleaming, the car is immobilized in this situation.

8. Shock sensor alarming

In arm with sound and flash status, when the shock sensor triggered by hit in the first time, the siren will chirp 5 seconds with indicators flashing lights, the engine will stop for 10 seconds maximum, the siren will trigger again by hit in 25 seconds, the siren will chirp 25 seconds with indicators flashing lights, the engine will be lock.

9. ACC ON alarming

In arm status, if ACC ON is triggered, the siren chirp for 25 seconds while flash lights gleaming, the car is immobilized in this situation.

10. Emergency alarm

In arm status, any triggering such as Door opened, ACC ON, foot brake pad, will activate siren to chirp for 25 seconds while the flash lights gleaming, the car is immobilized in this situation.

11. Siren pause

If the system is triggered to alarm, press the button to stop alarming, then alarm system will reset itself.

12. Warning for roadside stop

When stopping by the roadside with the door opened, the lamp indicators will flash to warn the approaching vehicles.

13. AUTO LOCK and UNLOCK with IGNITION (Jumper JP1 optional)

When driving, press or to lock or unlock the doors, the alarm system will not be set work.

This feature controls whether the doors will automatically lock when the ignition is turned on and unlock when the ignition is turned off. Some vehicles already have this feature from the factory you should turn off this option. doors will not lock if they are open to prevent locking the keys in. There are 2 choices:

1. ON = Default
2. OFF

14. Opening door flashing: (Optional)

The system is in the starting state or the ACC power is turned ON, step on and hold the foot brake, Press button twice, the siren will chirp 2 times to set door opening with flashing. Repeat this step the siren will chirp 1 times to set door close without flashing.

Note: the initial factory setting is door opening with flashing

15. Passive Arming

16. PKE passive Arm with Lock - The system Locks the doors with

The system PKE function ON, in arm status, press the button to disarm. If the car door is not opened with in 25 seconds, the flash lights will gleam once and siren will chirp once, the door will be locked, the system enter into sound flash arm status (the engine will be immobilized).

22. Push engine start/stop instruction

1. In disarmed mode, Not step on the foot brake, press the START/STOP button one time, it enter ACC mode.
2. Press the button again, enter ON mode, press the button again, start control button LED keeping ON.

ACC, ON/OFF RECYCLE MODE

In disarmed mode, step on the foot brake and hold on, press the START/STOP button one time, then the engine will start, start control button LED keeping ON.

ENGINE START

When the engine is running, step on the foot brake and hold on, press the START/STOP button one time then the engine will be cut off, the indication LED will be turn OFF.

ENGINE STOP

23. Remote Programming Learning

Your system comes with the remote controls already programmed, however if you are replacing or adding additional remote controls, they must be programmed to the system prior to operating the system. To program the remote, you need to know where the Program Pairing button is located. If you cannot locate or access the main unit, it is recommended that you visit your authorized dealer for remote programming. The system is capable of accepting up to four remote controls.

In disarm status, press and hold for 1 seconds release the Program Pairing button, the parking lights lamp keep lighting, switch the unlock button on the remote control, the parking lights flash twice to confirm the remote has been paired.

NOTE: store another remote control by repeating the same procedure, this system can be learned up to 4 Remote.

24. Remote start (remote engine control) ⚠ Warning!

This feature allows you to remotely start and run your vehicle for a programmable period of time, this makes it possible to warm up the engine, and adjust the interior temperature of the vehicle with the set up control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote starting the vehicle.

- Park the vehicle in a well ventilated area away from windows and doors that lead into inhabited spaces
- Make sure the ignition is OFF.
- Make sure the automatic-transmission vehicle make sure the handbrake be pulled up and connected handbrake wire, set the transmission in the NEUTRAL position.
- Make sure the oil path detection wire must be connected correctly.

Remote engine starting - successful start

- 1) Ensure the parking brake is set, press hold down the or button for 3 second to activates the remote starter.
- 2) The parking lights flashing once to confirm the vehicle will attempt to start, and the Ignition/ACC circuits turn on.
- 3) After a few seconds the Starter Motor engages, the parking lights and ACC circuits will turn off while cranking.
- 4) Once the vehicle has successfully start, the parking lights flashing as visual confirmation successful start, the system still arm status, doors will keep locked.
- 5) Remote start engine the run time is 15 minutes, or the engine can be turned off with remote transmitter by pressing and releasing the start button, the siren would return back to previous arm status.

Remote engine starting - unsuccessful start

In the event that the engine does not start on the first attempt, the system shuts down for a few seconds, then attempts to restart the engine a 2nd and 3rd time, for hard starting conditions, the unit will allow a starter crank limit of 10 seconds maximum, this should provide ample cranking time for difficult starts, but is limited to 6 seconds to help prevent damage to the starter from over cranking.

If the engine starts on 2nd or 3rd attempt, see steps 4 & 5 above of "Successful Start".

If three attempt fails to start engine, the system will turn off and doors will remain locked.

Turning Off remote starter engine

Engine is running in remote start (parking lights flash), press hold down the or button for 3 second, Engine stop & parking lights flash OFF, the system still arm status, and doors will keep locked.

It can not remote start engine in disarm status!

Warning! Safety First

Please read the safety warnings below before proceeding. Improper use of the product may be dangerous or illegal.

Installation

Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer. If you have any questions, ask your retailer or contact Directed directly.

Remote Start Capable

When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed menu wheel. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to ensure that the system does not unintentionally remote start the vehicle. THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL CARBON LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST ALWAYS REMAIN CLOSED. These precautions are the sole responsibility of the user.

Manual Transmission Vehicles

Remote starters on manual transmission vehicles operate differently than those with automatic transmission because you must leave your car in neutral. You must read the Owner's Guide to familiarize yourself with the proper procedures regarding manual transmission remote starters. If you have any questions, ask your authorized Directed dealer or contact Directed.

Before remote starting a manual transmission vehicle, be sure to:

- Leave the vehicle in neutral and be sure no one is standing in front or behind the vehicle.
- Only remote start on a flat surface
- Have the parking brake fully engaged

Water/Heat Resistance

This product is not designed to be water and/or heat-resistant. Please take care to keep this product dry and away from heat sources. Any damage from water or heat will void the warranty.

System Maintenance

NOTE: store another remote control by repeating the same procedure, this system can be learned up to 4 Remote.

Using a small flat-head screwdriver, insert into the slot located along the edge of the remote control and carefully pry the unit open.

Turn unit over and carefully remove rear housing. Remove the battery from holder and replace with a new one.

3. Reassemble all parts and snap together.

25. Other functions

Night start button position indication

Enter the vehicle, step on the foot brake the LED lights up on the start button the LED turns off after 5 seconds.

INSTALLATION FOR CHIP

Chart 1: Form or any material choose by yourself.

Reminder for install the chip:

The signal of chip is weak for some kinds of the car, it is difficult to start the car when fix in the coil, the way to solve this problem is enhance the induction signal of the chip (like the chart)

Chart 2:

THE MANUAL FOR RELEASE THE STEERING LOCK

Make sure with the check whether there is a steering lock force or not (if yes, follow the next step)

- 1) Please match a sample key with the original key by yourself (or other people), so that the sample key can start the car.
- 2) After matching finished, put the sample key into the lock of car, like this picture and turn the key to the "ACC" position, so that the steering can be turn around, then cut and keep 1 mm length of this sample key which outside of the lock.

Before remote starting a manual transmission vehicle, be sure to:

- 1) In manual Transmission vehicle, this wire must be connected to the hand brake for remote starting, make sure the handbrake be pulled up set the transmission in the NEUTRAL position.
- 2) In automatic transmission vehicle, must be connected Chassis Ground, make sure the transmission in the park position.

BROWN/BLACK: (+) Foot brake switch input

When the push engine a start or push engine stop, this wire must be connected to footbrake switch, make sure the step on and hold the footbrake.

GREEN: (+12V) Remote start engine running detection monitor input

When the remote engine starting, in automatic or manual transmission mode, must be connected to the fuel feed pump power supply wire, this wire allows thrust to sense confirm the engine running.

Central Control Lock Wire Output

We recommend determining the type of locking system the vehicle has before connecting any wires. Incorrect connection may result in damage to the alarm and/or vehicle locking system. Door lock information is provided as a guide. Your vehicle may be different.

Determining Door Lock Type

See DOOR LOCK WIRING for specific configuration options (pages 13-14).

WIRING Low Current 3 - Pin Plug (Optional)

Blue/White: (+) 500mA Ground When Running Output (Optional)

The Ground Out when Running output is used for Transponder Bypass modules. This is used for Remote Start when connecting factory Security Bypass modules.

Gray/Black: (-) Window Closer Output (Optional)

Press button once, the system output window close up automatically for 12 seconds.

BLACK: MAIN SYSTEM GROUND

Connect to chassis metal of the vehicle. An existing bolt or screwdriver provide an adequate ground, or drill a small hole, scrape away paint and attach using a sheet metal screw & star washer. This wire must be connected to a proper ground/or undesirable and inconsistent operation will occur. do not use factory ground locations.

WIRING: 2-PIN LED / 2-PIN Program-Pairing Button

Mount the Status LED in a visible location on the Dash or Console. Connect the small 2-pin plug from the LED to the control module. Note: Connectors are designed so that they will only plug into their appropriate slots.

Mount the Valet/Program/Override button in a suitable location. Connect the 2-pin plug from the Switch to the control module. Note: Connectors are designed so that they will only plug into their appropriate slots.

WIRING: 3-PIN Shock Sensor

NOTE: Your sensor may have adjustment knobs to adjust Pre-Warn and alarm trigger.

OPTION JUMPER TABLE

Jumper	Option Description	OFF	Default
JP 1	Auto Lock with Ignition	OFF	Default= Lock and Unlock
JP 2	siren output	output + +	Default = - -
JP 3	trunk output	output + +	Default = - -

CONTROL MODULE: The alarm control module should be mounted in a concealed location. DO NOT mount the control unit in the engine compartment! Fasten the module to a bracket or wire harness using the cable ties provided.

SIREN MOUNTING: Mount the siren under the hood to fender well or other body surface with the open and facing downward. Run the red siren wire through the firewall using a rubber grommet. Ground the black wire to the body metal near the siren.

LED: Mount the Blue LED in a visible location on the dashboard or console.

SHOCK SENSOR: Mount the included shock sensor with wire ties to an under dash wire harness or fasten with screws to firewall or side paneling.

OVERRIDE/PROGRAM/Valet BUTTON: Mount the Override/Program push-button in a hidden but accessible location. This button is required for emergency disarm, programming, and valet mode.

10. Emergency alarm

In arm status, any triggering such as Door opened, ACC ON, foot brake pad, will activate siren to chirp for 25 seconds while the flash lights gleaming, the car is immobilized in this situation.

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SHOCK SENSOR: Mount the included shock sensor with wire ties to an under dash wire harness or fasten with screws to firewall or side paneling.

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