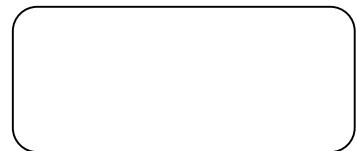


User's manual

GSM Auto Security

GSM Auto Security

Model No.T360-500



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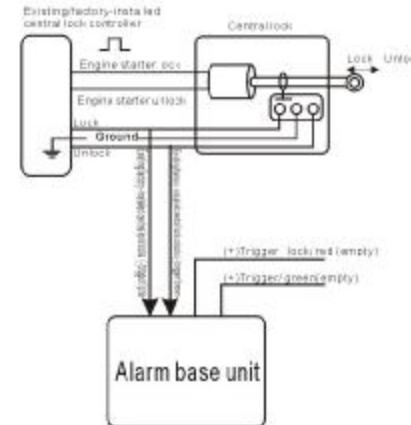
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Installation wiring Diagram

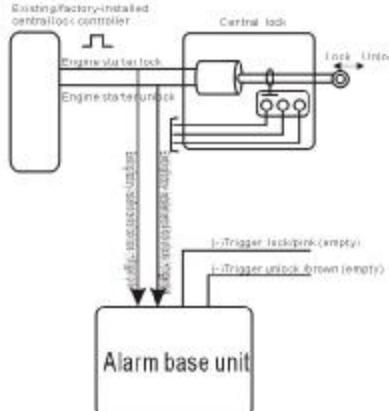
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3、Compatibility Wiring Diagram

(-)Trigger connection

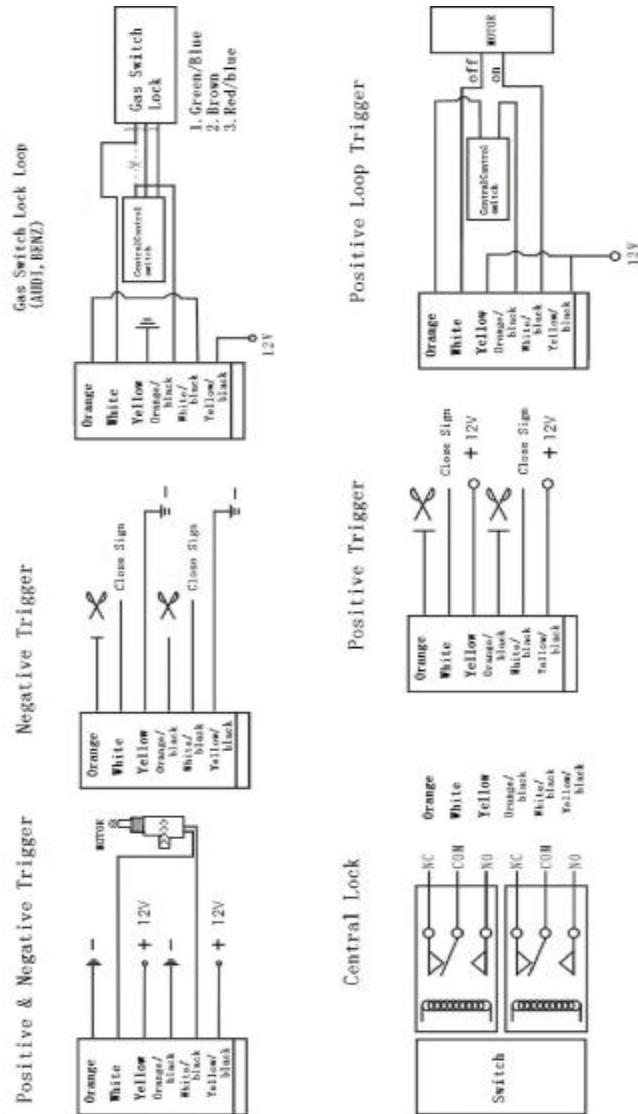


(+)Trigger connection



2、Central lock wiring diagram

△ This operation instructions is for T360-500, please read them before use



Product overview

Amwell GSM auto security System is the new version of car one-way or two-way alarms system. Which combines the GSM mobile communication, GSM locating technology and MECROCHIP rolling code technology, multi-code mating and microcomputer technology. The car owners can control the car remotely by cell phone in anywhere. The system can call emergency help to the mobile or fixed phone automatically.

The functions of Amwell GSM auto security system

1. Ensure the safety of company and personal vehicles
2. Prevent the occurrences of crimes to vehicles
3. Decrease the compensation of insurance
4. Alarming in time
5. Be convenient for taxi and transportation companies to manage vehicles

Protect Your Car Anywhere or Anytime

Product components

T360-500: one base unit, one wireless remote keyboard, one shock sensor, siren, loudspeaker, one antenna, one relay, one emergency button, one LED indicator, microphone, 12 PIN harness, 10PIN harness, user manual.

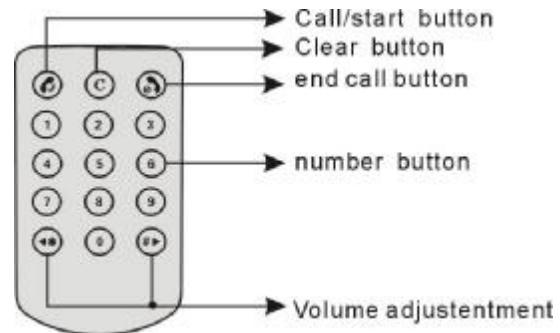
The identification for the main parts.

I : The base unit



< Please refer to the wiring diagram of installation and install accordance with requirement >

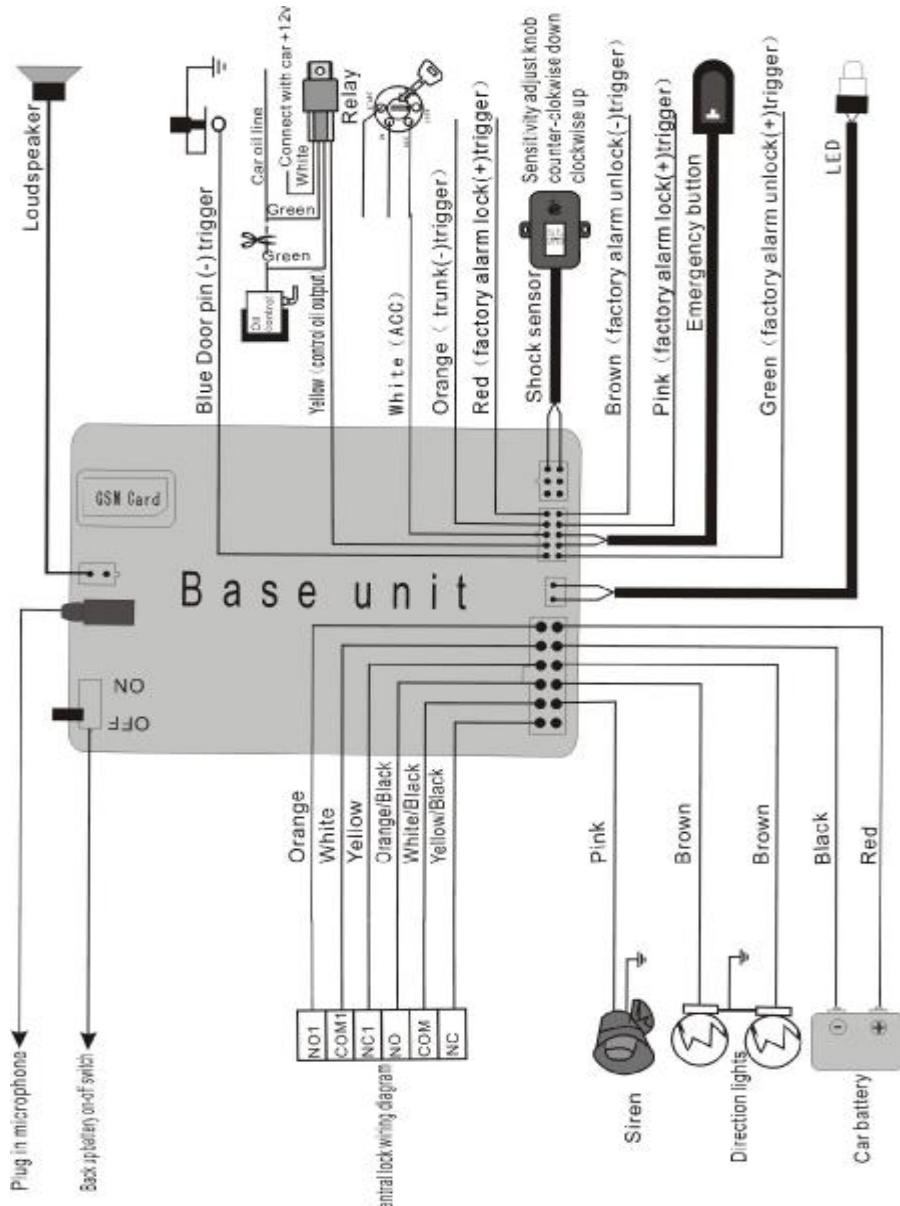
II : Identification for wireless keyboard



< The pictures for wireless keyboard is only for your reference, the real appearance subjects to practicality

Installation wiring Diagram

1、Wiring Diagram for base unit



- (1) Check whether GSM signal is OK.
- (2) Check Whether SIM Card touches properly.
- (3) Check whether cut off the power source and the back-up battery when inserting the GSM card.
- (4) Open the ACC, meanwhile press the emergency button for 5 times, direction lights flash 3 times, the system will reset again

Problem 2: Calling the controlling phone numbers when there is no alarm triggered

Solution:

- (1) Check if the shake sensitivity is too high.
- (2) Check if the door lock/unlock switch is OK.
- (3) Check if the battery has enough power or touch well.

Problem 3: The central lock can't lock automatically when driving

Solution:

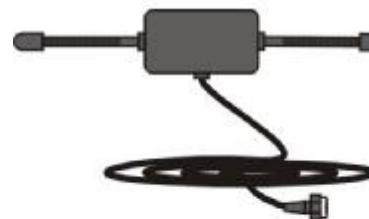
- (1) Whether the door is completely closed.
- (2) Whether the connection of central lock is OK.
- (3) Whether the car battery has enough power or touches well.

Problem 4: The user can't start the car under system disarmed status

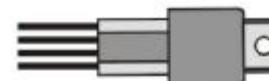
Solution:

- (1) Check if back-up battery has enough power.
- (2) Check if the engine connection is OK.

Planform for accessories



GSM antenna
Working frequency
850MHz-1900MHz



Relay
Working voltage 12VDC/40A



Siren
Working voltage 12VDC/8R



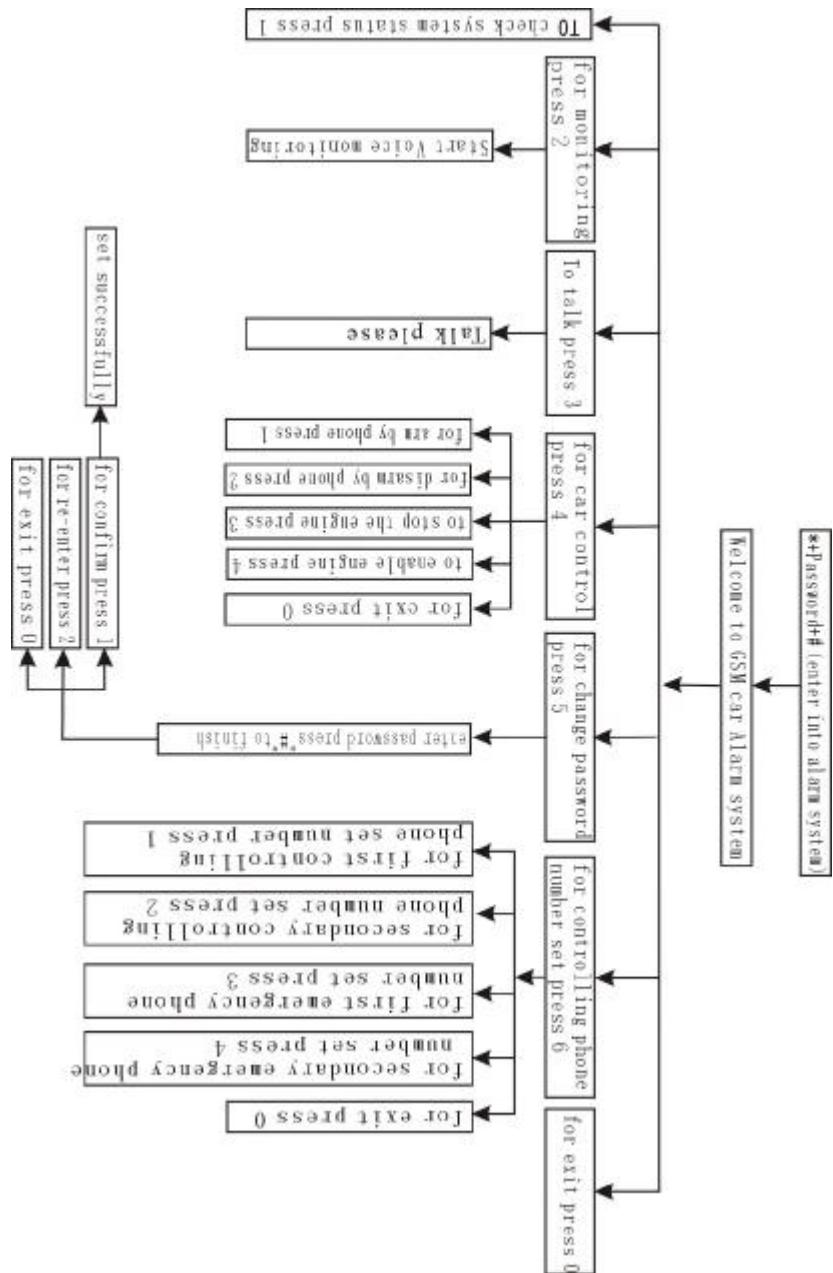
Shock Sensor
Working frequency
400MHz-433MHz



12PIN harness

Our company reserves the rights to amend product performance index & function without notice in advance.

Speed operation instruction



(5) Working temperature

Base unit: storage in -30~+85°C

Working temperature: -20~+75°C

Working humidity: 25%~95%

Accessories: storage in -40~+100°C

Working temperature: -20~+85°C

Working humidity: 25%~95%

(6) Dimension of base unit

T360-500: 120mm*83mm*35m

Installation notices

(1) First, make sure that the back-up battery is off. Use tools to take out the SIM card slot, insert

the SIM card into it according to the shape of the card slot and then put it into base unit

The host device is electronic compressor lock after factory, Please contact with the factory if need the gas compressor lock.

(2) Connect with Power

First, connect with the 12V main power source.

Observe that LED indicates GSM signals or not

Open the back-up battery.

(3) Function check

Set up controlling phone numbers

Test the alarming

Common problems & solutions

Problem 1. Car phone is Power off when call the system

Solution:

3. Check the remained money of the SIM card in time
4. Keep vehicles under the signal of GSM.
5. Secret the password of the main unit. Change the password once it is disclosed
6. Under the system is armed status, owner can not be opened the door and start engine with key, if owner do these action, system will alarm; After arm system by phone., system can only be disarm by phone
7. It is dangerous to stop the vehicle when it is running fast, system will ask user to confirm. Suggest notifying the driver before using this function ,first the user can warn the driver and give him some time to respond ,if no danger ,then stop the car running

Index parameter

(1) Base unit

Working voltage: 12V

Static current: 40mA-60mA

Working frequency when arming and disarming: 400MHz-433MHz

Cover scope: same as the GSM

Time for alarming: It lasts till system disarmed or the alarming call answered by someone

(2) Output voltage of control interface

Stop engine voltage: 0V

Control oil line voltage: 0V

Control loudspeaker voltage: 12V

(3) Input voltage

Checking door sensor voltage: 0V

Checking key sensor voltage: 12V

Detail functions introduction

1. Wireless keyboard operation

(1) Menu function of keyboard

Press the “*” and “#” on the keyboard (if there is password ,press the “*” + password: ***** + “#”), then voice prompts “welcome you to GSM car alarm system”, and enter into phone operation menu, in which except “For Monitoring press 2 ,To talking press 3” cannot be implemented by keyboard, these two function can only be implemented by remote telephone; any other options are the same with “Telephone operating function”.

(2) Talking

When someone call the car phone number (SIM card number in base unit), you will hear the ringing, during this time, press the “Call” button to start talking

(3) Automatic Re-dial

Press the “call “button to redial the last telephone number you called.

2. Phone operation

Main menu

(1) When someone calls in, the base unit detect whether this calling is from the four controlling phone numbers (Please refer to how to set up the controlling phone numbers), if not, enter into talking menu directly. If yes, voice prompts “please enter password ,and press # to finish “,with correct password ,you can then enters into the voice menu “To check system status press 1,for monitoring press 2,to talk press 3,for car control press 4,for change password press 5,for controlling phone number set up press 6,for exit press 0” with wrong password ,voice prompts “Wrong password ,try again ” ,continuously wrong password for three times, voice prompts” Wrong password bye”,and the call ends

(2) If no response

If you don't respond to the system during the call 45 seconds later, “Du” sound once per 5 seconds, when time ups to 1 minute, voice prompt” Time is out, bye”.

(3) In any case, talking or someone calling in, if alarm is triggered, alarming call will be advanced and system will cut off the line for talking or calling.

Attention: The system can only identify the set-up controlling phone number if SIM card have call ID function.

1、Inquiry

Contact with the base unit through the four controlling phone numbers, enter into the main menu of operation, and select “To check system status press 1”, according to status that the car is under, voice reports:

“Alarm system armed”
“Alarm system armed, engine stopped”
“Alarm system disarmed”
“Alarm system disarmed, car door is open”
“Alarm system disarmed, engine stopped”
“Alarm system disarmed, engine running”

2、Monitoring

Contact with the base unit through the four controlling phone numbers ,enter into main operation menu, select” For Monitoring press 2 ” voice prompts “start voice monitoring”. The limited time for monitoring is 5 minutes , if you want to keep on monitoring ,must press any else button within 5 minutes except “0” and “3”, then you can continue to monitor for another 5 minutes ; Otherwise 5 minutes later ,the call ends.

During monitoring, press “0”, back to the main menu.

During monitoring, press “3” to start Talking, Meanwhile press “2”, back to monitor again.

3、Talking

Contact with the base unit through the four controlling phone numbers, enter into the main operation menu ,select “To talk press 3”, voice prompts” talk please”. Then you can talk with the person in the car , 5 minutes later, overtime prompts “ Du...”, press any else button except “0” and “2”to continue to talk another 5 minutes, otherwise 5 minutes later ,voice prompt “Time is out ,the call ends” , the call ends

During the speaking, press “0” to be back to the main menu.

(2) Under system armed: LED lightning for twice and stop lightning for 5 seconds...

Within this 5 seconds, LED indicates GSM signal<same as (1)>

(3)Alarm is Triggered by vibration: LED shining for three times and stop lightning for 5 seconds...

Within this 5 seconds, LED indicates GSM signal<same as (1)>

(4) Alarm triggered by on-off : LED lightning for two seconds and stop lightning for 5 seconds...

Within this 5 seconds, LED indicates GSM signal<same as (1)>

(5)Under system disarmed status: LED is on for 3 seconds

6. Function of existing or factory – installed remote transmitters

(1) When the car stops, lock the door can activate the base unit to arm the system , unlock the door activate the base to disarm the system

(2)Sound or mute alarming depends on the design of the car after factory

(2) If the car after factory have function of car finder, release trunk, mute or sound alarming, our system will support these functions' use

8. GSM Car mobile phone

1. Our system have car phone function, the use method is the same as normal mobile phone

2. Our car phone function is consist of antennal, loudspeaker and wireless, hand-free, built-out microphone

3. The car phone function is valid when system is alarming

Notices

1. Our products are available for cars installed with central lock, whose engines use gas or diesel oil, negative of 12V battery connects with iron

2. Suggest using the rechargeable GSM-SIM card with national wandering functions.

turn to calling these two numbers till some answer to the call

(7)Trunk release alarm

Under system armed status, if someone releases the trunk illegally, direction light flash for 25 seconds, meanwhile, siren chirps. System will dial the programmed controlling phone numbers automatically ,after answering the call ,voice prompts" Car door open "

4. Auto function

(1)Arm the system but the car door isn't closed, siren will chirps for three times, direction lights flash for three times, if the owner still don't close the door, 30 seconds later, siren sounds continuously, direction lights flash, the base unit dial programmed controlling phone number

(2)Disarm the system but the car door isn't closed, and car stops, 25 seconds later, system will return to the status before disarm the system, and the door will be locked.

(3)Close the door, but the owner doesn't arm the system within 10 seconds, system will sound "Di...Di...Di.", meanwhile direction lights flash

(4) No matter how long the power has been cut off, the system will save the previous status with power,

(5)After disarming the system, open the door, if the alarm system had been triggered before, the siren would sound once

(6)Parking prompt

Park the car and open the door, the direction lights will flash 15 seconds

(7)No GSM signal prompt

After cut off the power, if no GSM signal, voice prompts" No GSM signal in this area"

5. LED indicator

(1) Under system is disarmed

Vehicle stops: indicating GSM network signals

LED fast lightning, shows no GSM signal

LED slow lightning, shows GSM signal well

Vehicle starts: LED dies

Emergency help: LED is on continuously

During the speaking, press "2" to start monitoring meanwhile press "3" to speak again.

4. Car control

Contact with the base unit through the four controlling phones, enter into main operation menu ,select "For car control press 4", and enter into sub-menu.

(1) Arm system by phone

Enter into sub-menu and choose "for arm by phone press 1", voice prompts "alarm system armed by phone", and the central lock locks the vehicle. When vehicle is in motion, this function is valid. If system is armed by phone, system can be disarmed only by phone.

(2) Disarm system by phone

Enter into sub-menu and choose "For disarm by phone press 2" voice prompts "Alarm system disarmed" ,central lock unlock .

(3) Stop the engine

Enter into sub-menu and choose "To stop the engine press 3", if car is in motion , voice prompts" To confirm stopping the engine press 1,for exit press 0", choose "To confirm stopping the engine press 1", voices prompt : "Warning!Warning!Engine will shut off in 2 minutes ,pull off the road and stop the car now ",one minute later"Warning!Warning!Engine will shut off in 1 minute ,pull of the road and stop the car now",30 seconds later "Warning! Warning! Engine will shut off in 30 seconds, pull of the road and stop the car now", 30 seconds later count down voice "9.....8.....7.....6.....5.....4.....3.....2....1...Engine stopped" Meanwhile, direction lights flash and siren chirps.

(4) Enable engine

Enter into sub-menu and choose "To enable engine press 4", siren stop chirping and direction lights stop flashing ,voice prompts "engine enabled".

5. Change password

Contact with the base unit through the four controlling phones, enter into main operation menu and choose "For change password press 5", voice prompts: "Please enter password ,and press # to finish" " your password is*****","For confirm press 1,for re-enter press 2 ,for exit press 0" then select "For confirm press 1" "Set successfully"

If you want to delete password, voice prompts “please enter password and press “#” to finish, only press “#” without any number, then system prompts “your enter password is *****”, “To confirm press 1,for re-enter press 2,for exit press 0”,choose “To confirm press 1”,system prompt “set successfully”, then the previous password deleted .

Notice: the password should be numbers 1 to 6 digits.

6、Controlling phone number set-up

Contact with the base unit by phone(attention: if you have set up the controlling number, only these controlling numbers can enter into system) to enter into operating main menu and select “for controlling phone number set press 6” then enter into next sub-menu:

(1) Set up the first controlling phone number

Enter into sub-menu and choose “For first controlling telephone number set press 1.”then system prompt “Enter phone number, press # to finish”, after that, voice reports” your entered phone number is *****,for confirm press 1,for re-enter press 2,for exit press 0” then choose “confirm press 1”, finally “Set successfully”; choose “For re-enter press 2”, please input telephone No. again; choose “For exit press 0” and you will exit from “first controlling phone number Set up .”; if you want delete phone number, after heard the voice of “enter phone number ,press # to finish ”, please just press “#” without any number, system prompts “your entered phone number is *****, for Confirm press 1,for re-enter press 2,for exit press 0”. Press 1, system will disregard the previous number

(2) Set up the secondary controlling phone number

Enter into sub-menu to choose “for secondary controlling phone number press 2”, the operating method is the same as the first controlling phone number set up.

(3) Set up two emergency phone numbers

Enter into sub-menu to choose “For first emergency phone number set press 3”, the operating method is the same as the first controlling phone number

Enter into sub-menu to choose “For secondary emergency phone number set press 4”; the operating method is the same as the first phone number set up.

Attention: choose “0, exit” in the main operation menu, voice prompts “Thanks, bye”, the call ends

3. Alarm

(1)Shaking alarm

Press the “Arm” button on the existing or factory-installed remote transmitters, arm the system, after 25 seconds, and trigger the system by shaking the first time ,direction lights flash for 5 seconds ,siren chirps discontinuously for 5 seconds. Trigger the system by shaking again, direction lights flash for 25 seconds, siren chirps discontinuously for 25 seconds, the base unit call the programmed controlling phone number, after you answer the call ,voice prompts “ Car shake ” for 5 times ,then enter into the main operation menu

(2)Car door opened alarm

Under system armed status ,open the door ,the car door lock/unlock sensor detect the intrusion, direction lights flash for 25 seconds ,siren chirps at the same time ,the base unit call the programmed controlling phone number, after answering the call ,voice prompts “car door open”5 times ,then enter into main operation menu

(3)Car started alarm

Under system armed status, some one start illegally, the system detect the intrusion, direction lights flash for 25 seconds, siren chirps at the same time, the base unit call the programmed the controlling phone number, after answering the call, voice prompts:” engine started”

(4) power-off alarm

Under the status of standby battery is on status, Cut off the base unit’s power supply ,the base unit will call the programmed controlling phone numbers automatically ,after answering the call ,voice prompts” system power off ” for 5 times ,and then enter into main operation menu, during this time, direction light and siren won’t work

(5) Emergency help

Under the system disarmed status ,press the emergency button over 2 seconds, the base unit call the programmed emergency phone numbers, after some one answers the call ,voice prompts “Emergency call”, during this time, Alarm without any sounds or lights.

(6) No answering for the alarm call

If no answer to the call to the first controlling phone number ,the system will dial the second one automatically ,if still no answer ,system will return to the first controlling phone number ,and system will I