TWO-WAY CAR ALARM SYSTEM

• OPERATING INSTRUCTION
Two-Way Car Alarm System

Company Brief

Thank you for selecting our product as your protection aegis, our company takes spirit of hankering remarkable, creating the high-quality goods, all products are from high-level project technical talented person with many years experience, introducing the world leading science and technology, Through complete and aborative design, our product series exceed general security both in the performance and in the quality aspect.

Our company is a specialized production security equipment enterprise, manufacture and marketing of alarm system for home, car, motorbike and electric bike. Since the establishment, we are continuously paying close attention to the market demand of alarm systems.

'First-class quality, advanced technology, satisfaction service' is our pledge. The company focuses on top same profession level in the world. We will hand in hand advance together with each partner in development innovation, communal development, altogether wins the future.

Heartily thank user, the business agent, the dealer, project business and the OEM partner for support, favor continuously and use the product all along.
# Two-Way Car Alarm System

## 1. Remote Control Buttons Introduction

<table>
<thead>
<tr>
<th>Button</th>
<th>Title</th>
<th>Operating</th>
<th>Status</th>
<th>Function Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Short press</td>
<td>When driving</td>
<td>Locks the car door lock</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short press</td>
<td>When parking</td>
<td>When muting switch off, the system enters the sound and light alarm; When muting switch on, the system only enters light alarm.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long press</td>
<td>When arming</td>
<td>Emergency alarm, frighten thief away, locks the engine.</td>
</tr>
<tr>
<td></td>
<td>Lock button</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short press</td>
<td>When driving</td>
<td>Unlock the car door.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short press</td>
<td>When parking</td>
<td>Disarm the system and unlock the car door.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long press</td>
<td>When disarming</td>
<td>Open trunk</td>
</tr>
<tr>
<td></td>
<td>Unlock button</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Searching button</td>
<td>Short press</td>
<td>Any</td>
<td>When muting switch on, only turn signal will flash for 5 seconds. When muting switch off, the siren will sound and turn signal will flash for 5 seconds. This help owner search the car.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long press</td>
<td>When driving</td>
<td>While turn signal bright, presses key, the system will enter emergency help alarm, in this time, Only can press to relieve.</td>
</tr>
<tr>
<td></td>
<td>Back light button</td>
<td>Press</td>
<td>Any</td>
<td>Lightens the LCD back light.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Muting switch button</td>
<td>Presses two buttons at the same time</td>
<td>When parking</td>
<td>Press the two keys at the same time, it will switch muting status on [off]. At the muting on status, the system will be alarming without siren sound unless triggered alarm by the car door opened, ACC on or start-up.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auto-set-arming switch button</td>
<td>Presses two buttons at the same time</td>
<td>When parking</td>
<td>Presses these two buttons at the same time, may switch Auto-set-arming on [off].</td>
</tr>
</tbody>
</table>
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2. Remote Control Display Figure

3. Function and Detailed Operation

1. Switch Muting Status On [Off]
   After parking (ACC off), press lock button and unlock button at the same time. If the alarm system beeps once, it means muting status off, see fig. A. If the alarm system does not sound, it means muting status on, see fig. B. After press two buttons, the alarm system will be armed. Switch muting status on/off is recurrent if you press two buttons again.
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### 2. Arm Alarm With Sound (Sound and Light Mode)
After parking, at muting off status, press the lock button once, the alarm siren will beep once and the turn signal will flash once, the alarm system will be armed with sound. See figure.

### 3. Arm Alarm Without Sound (Mute Alarm Mode)
After parking, at muting on status, press the lock button once, the turn signal will flash once without siren sound. The remote control unit will display right figure.

### 4. Alarm Description

**4.1 Triggering by vibration**
After system is armed for 3 seconds, the system start to monitor vibration sensor.

- Under sound and light mode, when triggered by vibration for the first time, the siren shall sound for 5 seconds. If triggered by vibration again within 15 seconds after the first trigger, the siren shall sound for 15 seconds, the turn signal will flash. As long as the siren sounds, the engine will be cut off and the car cannot be started, and send the vibration message to the remote control unit, the remote control unit will display right figure.

- Under mute alarm mode, the siren does not sound when alarming, only turn signals flash, others is as same as sound and light mode. After receives triggering by vibration, indicator led will flash four times and stop a second.
4.2 Triggering by Switch (for example: Open car door, engine start and step on the foot brake)

After system is armed for 3 seconds, the system start to monitor all switches. Under anyone among conduction such as open car door, engine start, and step on the foot brake, the system will immediately cut off engine that cannot start, under mute alarm mode or sound and light alarm mode, the siren will sound for long time and the turn signal will flash. the remote control unit will display right figure.

After receives triggering by switch, indicator led will flash quickly.

5. Closing Door Reminder

When Press  lock button to arm the system, if siren sounds 'Di' three times and turn signals flash, it means the car door has not closed properly, should close the car door properly at that time. Otherwise there will beep continuously after 10 seconds.

6. Switch Auto-Set-Arming On [Off]

Press  and  buttons at the same time, the alarm system will beep twice, if the remote control unit shows a sign of the auto-set-arming, it means auto-set-arming on, if the remote control unit does not show the sign, it means auto-set-arming off.

At auto-set-arming on status, after park the car and close the car door for 10 seconds, the siren will beep thrice and the turn signals flash, in order to remind owner to arm alarm, if within a minute owner is not to set arming, the system will arm itself automatically and lock the car door.

At auto-set-arming off status, the alarm system only remind owner to arm alarm.
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7. Disarm Alarm
   Press unlock button, the alarm system will beep twice, the alarm system will be disarmed and will open the car door lock, indicating led black out. See fig. (when showing auto-set-arming sign, it means auto-set-arming on).

8. Automatic Rearming
   After disarming, if the car is not opened in 25 seconds, the alarm system to original armed mode automatically.

9. Remote Trunk Release
   After disarming, long presses button for 2 seconds, the trunk is opened automatically.

10. Alarm Memory Recall
    If the car has been triggered by vibration, the siren will beep once and the indication led lights for 3 seconds when open the car door.
    If the car has been triggered by key (such as open car door, engine start and step on the foot brake), the siren will beep twice and the indication led lights for 3 seconds when open the car door.

11. Searching the Car
    Presses short once, In the muting switch off, the siren will sound and the turn signal will flash for fifteen seconds. In the muting switch on, the siren will do not sound and the turn signal will flash for fifteen seconds.
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## 12. Lock and Unlock the Car Door

While driving, namely is disarming and ACC is on, press the unlock button, the car door will be unlocked. Press the lock button, the car door will be locked.

## 13. Lock and Unlock the Car Door Automatically

When ACC is on and unlock the car door by the unlock button, step on the foot brake after 15 seconds, the car door will be locked automatically. When ACC is off, the door will be unlocked automatically.

## 14. Parking Warning

When parking and open the car door, the turn signal will flash 15 seconds to give warning to the car behind.

## 15. Help

Under arming condition, the bandits and thieves attempt to rob or to steal the motorcar, owner long presses for 2 seconds, the siren sounds for 30 seconds, and cut off the engine power, and the turn signal flash at the same time.
16. Emergency Help Alarm
   In case of any hijack during the course of driving, in the effective area receiving, owner can press button for 2 seconds, after the turn signal light, press lock button.
   At this time, the turn signal immediately quickly flash, afterwards the siren continues sounds, cut off the engine power, the turn signal flashes at the same time, At this time only can press to exit.

17. Emergency Disarming
   When the remote control loses or is invalid, then turns on the car door, ignore the system alarm, inserts the car key, turns the key from the OFF position to ON position, is 1 time, again cycles to the OFF position, like this repeat to turn key at ON position, total 10 times, last the key must stay at ON position, waits for system processing, in this process, the system still alarm, after 10 seconds, the alarm system will be disarm. The above operation must repeat 10 times in 15 seconds, if overtime or just no 10 times, it will not disarm the alarm system.

18. Battery Capacity Test
   When the battery mark does not display, please prepare the 1.5V battery of size AAA, replaces the battery, pays attention to the battery polarity.
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Wiring Diagram of Mainframe

Mainframe

- Orange
- White
- Yellow
- Orange/Black
- White/Black
- Yellow/Black
- Pocket Lock Parts
- Ground
- Battery Positive +12V
- Trunk
- 12V
- Siren
- Turn Signal
- Turn Signal
- Relay
- ACC
- Green
- Cut +12V
- Brake Lamp
- Brake
- ACC On
- LED
- FSK Receiver/Transmitter/Antenna
- Start Up
- Vibration Sensor
- Jump
- Electric
- Pneumatic
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Wiring Diagram of Central Locking System

Fig. 1 Circuit

Fig. 2 Negative Trigger

Fig. 3 Positive Trigger

Fig. 4 Positive and Negative Trigger

Fig. 5 Circuit for Petrolic Lock (Note: Mainframe Jumper)
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Installation

6.1 Mainframe
The mainframe should be installed underneath the display board or the secret place where front seat, finds the fixed place for the mainframe. Then according to the alarm wiring diagram, separately connect motorcar terminations like ACC ON, turn signal, brake lamp, power source, after done, uses the friction tape to wrap up immediately, may not careless, after all group of wires connected, check them according to wiring graph. If it's ok, then inserts the plug of the group of wires in mainframe socket correspondingly. Refer the function introduction, checkup whether the function is normal, after confirmed, ties up the wires neatly, and hide the wires.

6.2 Vibration Sensor
After the main installation, then fix the vibration sensor to the car, cling nearby the display board, guarantee the detection scope of vibration sensor, however according to different car size, the vibration sensor sensitivity is different, can revolve the knob to adjust (suitably moderately adjust in factory, suggest no to adjust otherwise it's needed), clockwise rotation is high sensitive; counterclockwise rotation is low sensitive.

6.3 Central Door Lock Installation moto
6.3.1 If no the rear door lock with power, suggested installs a set electrically control lock (Reference chart 2 wiring)
6.3.2 The original motorcar has the central control door lock, But a switch control other three door locks in the driver seat, just need install a motor (Reference chart 4 wiring)
6.3.3 The original motorcar has the central control door lock, just need distinguish that the triggering is Positive or negative (Reference figure 2 and figure 3 wiring)
6.3.4 There is the pneumatic control door lock for the motorcar, please insert the jumper wire to the short circle first. (Reference chart 5 wiring)
6.3.5 If other central control door lock not to be understood, please possibly refer to Figure 4 positive and negative triggering diagrams, namely 3.2 item, easy to install.
## Trouble Shooting

Many apparent malfunctions are caused by maladjustment and incorrect connection. If you encounter any troubles listed in the following table. Please check and adjust according to the methods.

<table>
<thead>
<tr>
<th>Troubles</th>
<th>Method of Checking and Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>After the mainframe installment, the siren sounds continuously</td>
<td>Inspects the plug whether right? Whether there're some questions for the wiring? Especially the wiring of vibration sensor and each triggering switch of ACCON, door and brake, or the vibration sensor is bad.</td>
</tr>
<tr>
<td>The remote control unit LED is bright, but is unable to control.</td>
<td>Check whether number of the mainframe and the remote control unit is tallies? Check whether the fuse is burnout? Check whether all various wire connection reliably, is or right? Whether there're some questions for the wiring? Check whether there're some wrongs with the grounding, or check whether the battery is effective?</td>
</tr>
</tbody>
</table>
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#### Trouble Shooting

<table>
<thead>
<tr>
<th>Remote control indicating LED is not bright or weak bright, is unable to control remotely</th>
<th>Check whether battery of remote control unit is above 1.0V? Inspects the remote control whether is dipped into water? Inspects the remote control whether is injured by falling down? Whether the nearby have the strong radiated interference?</th>
</tr>
</thead>
<tbody>
<tr>
<td>The motorcar stops the roadside with arming, when the large-scale motorcar or the heavy motorcar pass through, will alarm or misinform.</td>
<td>Inspects whether the vibration sensor is too sensitivity? Reduces sensitivity then.</td>
</tr>
<tr>
<td>While triggering, the siren does not sound.</td>
<td>Whether the siren wiring connection is firm or correct? Inspects whether the fuse of horn wire is burnout, inspects whether the siren is damage.</td>
</tr>
<tr>
<td>The central door lock can't move normally or does not act at all.</td>
<td>Inspects whether the wiring and the fuse of center door lock is normal? Inspects whether the motor is normal? Please confirm the central control locks wiring method.</td>
</tr>
</tbody>
</table>
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Product Warranty Card

Thank you to select this product of our company, this maintenance card guarantees that product will have the high performance under the normal use and the maintenance, the warranty period is in one year after purchase day, if have any the damage which because of the product own quality question, our services mesh will support free service for cardholder.

<table>
<thead>
<tr>
<th>Car Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code Number:</td>
</tr>
<tr>
<td>Dealer Name:</td>
</tr>
<tr>
<td>Dealer Address:</td>
</tr>
<tr>
<td>Date of Purchase:</td>
</tr>
<tr>
<td>Date Installed:</td>
</tr>
<tr>
<td>Maintenance Record:</td>
</tr>
</tbody>
</table>