

## Read the manual before mounting.

**Important! Producer suggests the mounting to be performed in an authorized service point.**

Set includes:

- control unit
- remote controls
- G-sensor
- alarm siren
- LED lamp
- cables

Specification:

A. Control unit:


- Operating voltage: DC 12 V +/- 3 V
- Quiescent current: < 20 mA
- Siren volume level: 105-125 dB
- Operating frequency: 315/433,92 MHz (+/- 0,5 MHz)
- Operating temperature: -40°C ~ +85°C

B. Remote control


- Operating voltage: DC 6-12 V
- Quiescent current: <2 µA
- Transmission current: 5-10 mA
- Operating frequency: 315/433,92 MHz (+/-0,3 MHz)

## FUNCTIONS:


1. Alarm status: acousto-optical

Press the  button, the lights will flash once or twice, the device will issue a short sound signal, the doors will be locked and the windows will be closed. After 5 or 30 seconds (depending on settings) the alarm will be active, LED indicator will blink slowly, and after 25 seconds the engine will be locked. When the alarm gets activated in case of opening the door, pressing the brake, switching on the ignition etc. the siren will be on, the lights will start to flash and the engine will be locked. If the alarm gets activated with a G-sensor, the siren and the lights will be on and the engine will be locked for 30 seconds. After that time, the alarm will automatically enter standby mode.


2. Alarm status: mute

Press the  button, the lights will flash once, the doors will be locked and the windows will be closed. After 5 or 30 seconds (depending on settings) the alarm will be active, LED indicator will blink slowly, and after 25 seconds the engine will be locked. If the alarm gets activated with a G-sensor, the alarm siren will not be on, and the lights will flash for 30 seconds. After that time, the alarm will automatically enter standby mode. When the alarm gets activated in case of opening the door, pressing the brake, switching on the ignition etc. the siren will be on, the lights will start to flash and the engine will be locked.


### 3. Alarm status: off

Press the  button, the doors will be open the lights will flash twice, the device will issue two short sound signals (if the alarm is muted, the siren will not be activated). Alarm will be off.


### 4. Car localization via remote control

Press the  button, the siren and the lights will be on for 15 seconds. After that the alarm will re-enter standby mode. Function helps to localize the car in dark or on a spacious parking lot.




### 5. SOS function via remote control

Press and hold the  button for 2 seconds during driving. The device will be issuing constant sound signal and the lights will be on for 30 seconds. The alarm can be stopped at any moment with any remote button.

### 6. Trunk release via remote control

Press and hold the  button for 2 seconds, the alarm will be off and trunk will be opened.

### 7. Emergency alarm and anti-theft

Emergency alarm: if during driving, the driver encounters a situation which requires attracting attention of others on the road e.g. fainting, theft attempt etc. press and hold the  button for 2 seconds; when the lights will start to blink fast, press the  button, the siren will be on for 30 seconds, followed by 8 second pause and on again. The lights will blink and the engine will be locked. Press the  button to turn off the emergency alarm.

### 8. Alarm reminder

When the car is stopped, the keys are retrieved from the ignition switch and the doors are closed, after 10 seconds the alarm siren will issue a sound (3 short signals), and then the lights will start to blink in order to remind to turn on the alarm. If the user won't perform any action within 1 minute, the alarm will be on in mute mode, but the doors will not be locked.



### 9. Automatic system activation

If after 30 seconds after turning off the alarm system, doors will not be opened, the system will consider this as a mistake and will be turned on again.

### 10. Not fully closed door warning

If the alarm is switched on and the doors are not fully closed, after 10 seconds the warning signal will be on and the lights will blink 3 times. User should turn off the alarm, then close the doors properly (otherwise, the alarm will go on).

### 11. Automatic locking/unlocking the doors

15 seconds after turning on the ignition and pressing on the brake, the doors will automatically locked. After turning off the ignition and removing the keys from the ignition switch, the doors will be automatically unlocked. During driving, press the  button to lock or  to unlock.

### 12. Active memory indicator

If the alarm is activated when the car is on anti-theft alarming status and when the door is opened after the anti-theft alarming is removed, a short signal will be heard and the LED will blink to remind the driver to check the vehicle. After switching the ignition switch to ACC, warning blinking LED will be off and the alarm memory will be cleared.

### 13. Power cut

If the alarm is cut from the power supply, after 5 seconds from re-connecting it to power supply it will be back to its previous mode.

### 14. Emergency turning off the alarm

In case of losing or damaging remote control, and the alarming status needs to be removed, the driver can open the door with the key. Then the speaker will sound, the turning lights will flash and the engine will be locked. The driver has to turn key into ACC ON, press emergent-removing button for three times to removing alarming with foot on the brake, then the alarming can be removed. (The driver shall ask installer the place of installing emergent-removing button).

### 15. Remote controls programming

If the remote control gets damaged or lost, user can purchase a new remote and program

it as instructed: use a thin object to press the programming button on the alarm casing for 1 second. Press any button on the first remote (one sound signal will be heard), then press any button on the next remote (one sound signal will be heard), which means proper remote programming. The remote are ready to use.

During learning, if within 8 seconds no effective remote control signal has been received after one remote controller has finished learning, the system will quit from learning status. If further learning is needed, please repeat the process above.

## **JUMPER SETTINGS**

CN2 - prompt sound (no prompt sound)

CN4 - launching (no launching)

CN3 - pneumatic locking (electronic locking)

CN10 - automatic switch after 30 seconds to anti-theft mode (automatic switch after 5 seconds to anti-theft mode)

Remark: please open the control box to adjust the settings.

## **CONTROL UNIT INSTALLATION**

The alarm requires 12 V DC power supply and grounding (-).

Prior to installation read the instruction manual carefully. Study the cables connection diagram carefully. Contact an authorized service point in case of doubts or questions.

The control unit should be installed in a concealed and hard-to-reach place, i.e. under the dashboard. Once the mounting spot is set, locate the cables necessary for alarm connecting, i.e. ACC, turn lights, stop lights. Pay attention to perform electrical connection in a proper manner. The cables should be connected to appropriate sockets in below order: 2P to white, 7P to white, 3P to black, 12P according to diagram. After connecting the cables, user should perform an alarm check-up test. If the system works properly, you can hide the control unit.

## **G-SENSOR INSTALLATION**

G-sensor needs to be firmly mounted on the vehicle's body. Then, check its sensitivity, whether it is on the proper level and use a knob to tune if necessary (note: the sensitivity level is factory set. Do not change the settings if not necessary).

## G-sensor sensitivity level settings

There is a LED indicator on the casing which informs about sensor activity. To adjust sensor sensitivity settings, use a little screwdriver to rotate knob (rotate to right to increase, rotate to left to decrease). During settings do not tap the sensor, as it may damage the device. In order for the sensor to work properly, it needs to be firmly fixed as close to the vehicle's body as possible.

## **CENTRAL LOCK SYSTEM INSTALLATION**

There are numerous different central lock systems as well as many connection methods. In most cases, use of the diagrams below.

1. The car door has no driven lock - It is advised that a central locking shall be installed for coordination with burglar alarm. Please refer to installation drawings: negative activation.
2. A central locking has already equipped on the car, but there is only one switch on the door closed to driving set is used to activate the locks on the other three doors. An engine shall be added at the driving seat to drive pull bar and locks for bolt. (Refer to installation drawings: positive and negative activation).

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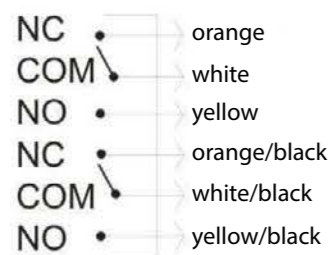
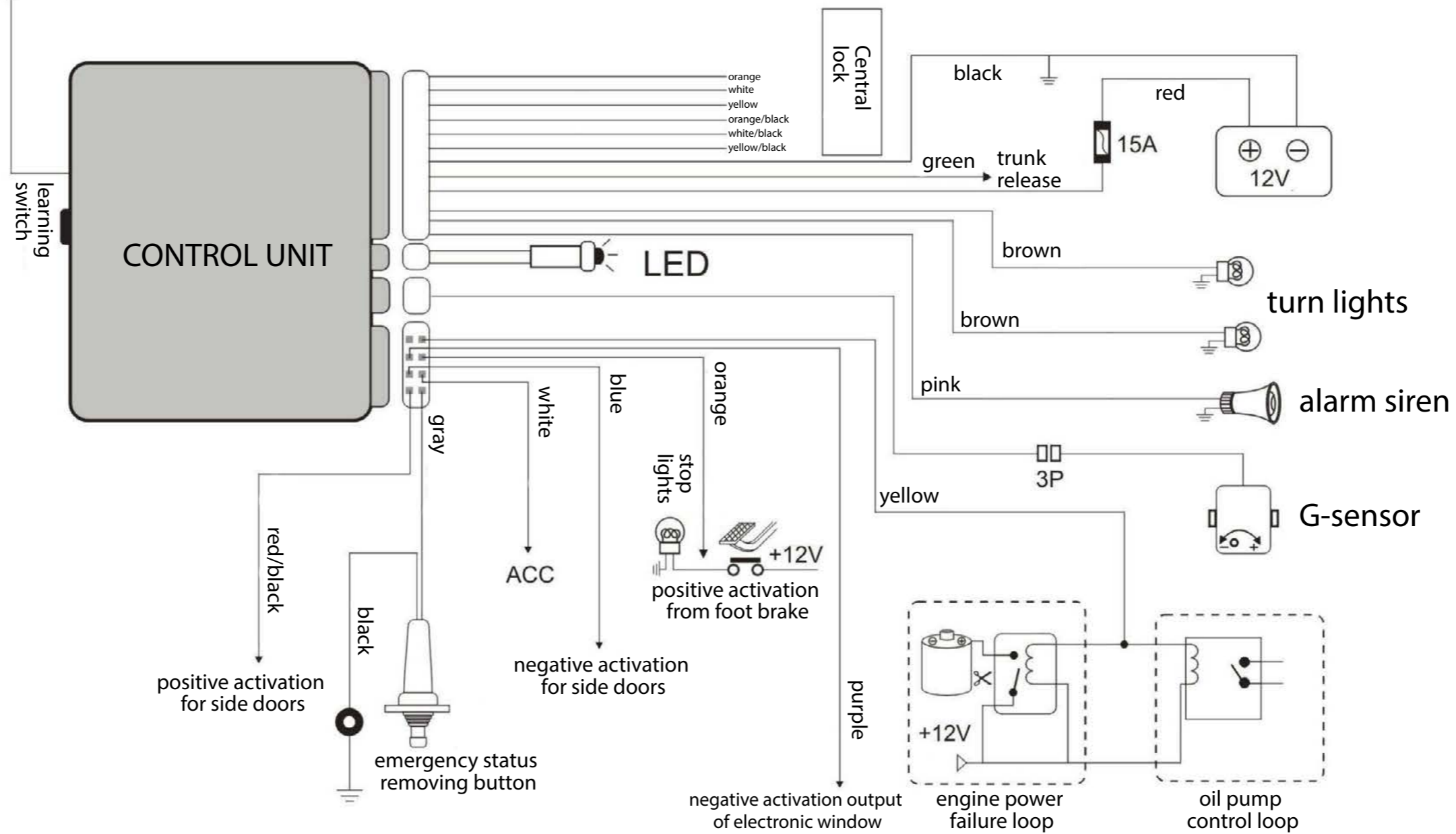


fig. 1 Internal theory

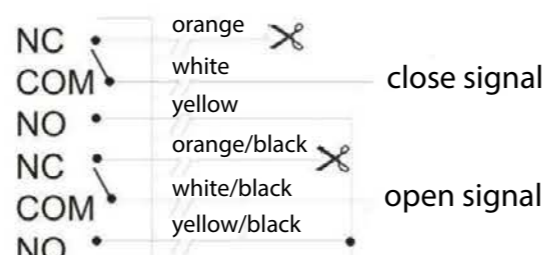


fig. 2. negative activation

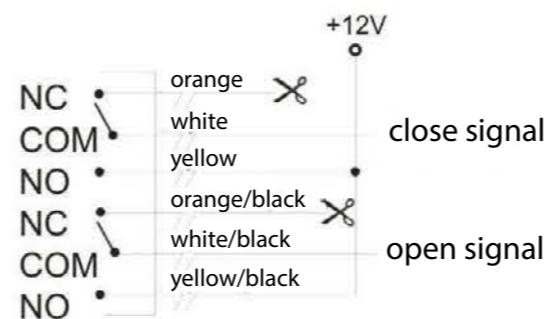


fig. 3 positive activation

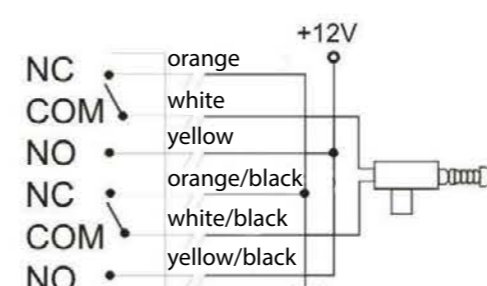


fig. 4 positive/negative activation

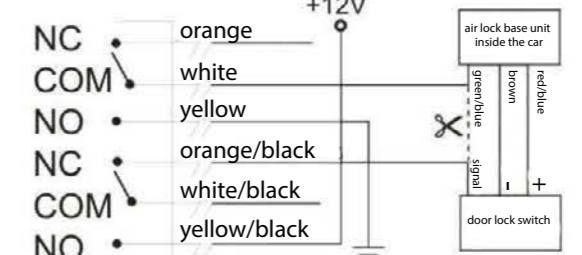
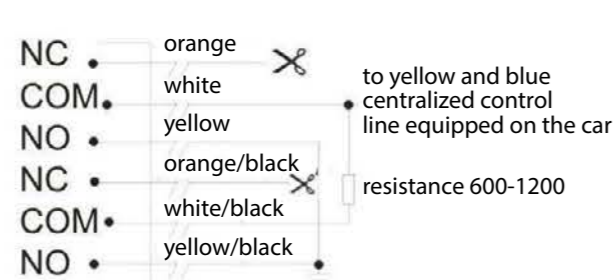
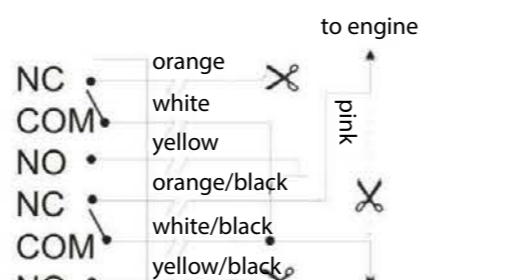


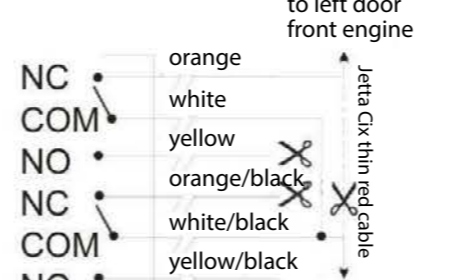
fig. 5 pneumatic lock (Audi, Benz)



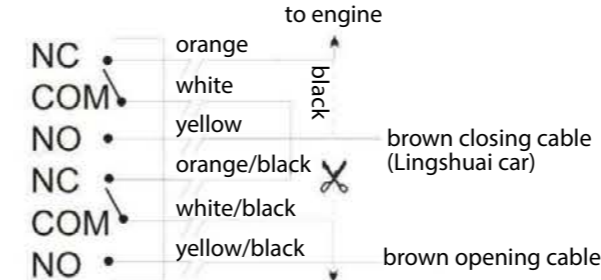
negative activation with dual potentials (Polo, Bora, Passat)



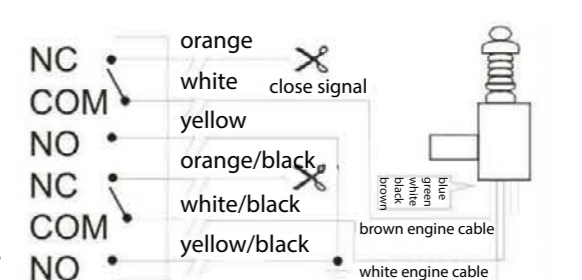
negative activation with single-lined serial connection (Santana 2000)



negative activation with single-lined serial connection (FreecaAT Jetta Cix)



Serial switch connection (Lingshuai, Century Star)



(-) trigger (China)

## TROUBLESHOOTING

Problem	Suggested solution
After installing control unit, the alarm siren issues a sound and it cannot be turned off with the remote	<ul style="list-style-type: none"> <li>• Check all connections</li> <li>• Check whether the fuse works properly and it matches remote control code</li> <li>• Check whether the jumpers are in proper positions</li> </ul>
When vehicle is parked in with anti-theft mode on, the alarm goes on whenever a big vehicle drives nearby	Check if the G-sensor sensitivity setting is not too high. Observe what happens after changing its settings.
The siren does not sound when the alarm is active	Check if the speaker is not damaged and if it is properly connected to control unit
The alarm does not respond after pressing the button, the LED lamp does not turn on	<ul style="list-style-type: none"> <li>• Check if the battery is not damaged</li> <li>• Check whether the battery is not discharged (make sure to replace battery once a year)</li> <li>• Check whether the battery is not rusted</li> <li>• Make sure the remote control has not been soaked or damaged</li> </ul>
After setting the anti-theft mode, the alarm siren sounds for 10 seconds. After turning the alarm off and on, the process is repeated.	<ul style="list-style-type: none"> <li>• Make sure the G-sensor works properly</li> <li>• Check G-sensor's indicator</li> <li>• Check the connections (especially the stop lights)</li> <li>• Check all connections in the doors</li> <li>• Check whether the door are fully closed</li> <li>• Check whether closed door sensor cable is connected properly</li> </ul>
The remote controlled central lock does not work	<ul style="list-style-type: none"> <li>• Check whether actuator works properly</li> <li>• Check cables and fuses. Burned fuses suggest installation fault. Check cables and central lock installation.</li> </ul>
Alarm does not respond after pressing the button, LED lamp is on	<ul style="list-style-type: none"> <li>• Check if the battery is not damaged</li> <li>• Check whether alarm frequency has not been changed</li> <li>• Make sure the remote control has not been soaked or damaged</li> <li>• Check whether the alarm will work with a different remote. If not, check the control unit, cables and power supply. Do not disassemble the remote control nor alarm</li> </ul>



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