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PNI PNI-OV288

PNI OV288 Vehicle Security Alarm System User Manual

Comprehensive guide for installation, operation, and maintenance.

1. Introduction

The PNI OV288 Vehicle Security Alarm System is designed to provide enhanced protection for your vehicle against theft and unauthorized access. This system integrates remote door locking, a central locking module, and various alarm functions to ensure the safety of your automobile. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.
Key features include:

- **Silent Arming:** Arm the alarm system without audible confirmation.
- **Remote Trunk Release:** Conveniently open your vehicle's trunk remotely.
- **Car Locator:** Easily locate your vehicle in a parking lot using the remote.
- **Door Open Alert:** Receive alerts if a door is opened while the system is armed.

2. Package Contents

Upon opening the package, please verify that all components listed below are present and in good condition:

- 1 x Central Control Unit
- 2 x Remote Controls
- 1 x Warning Siren
- 1 x Shock Sensor
- 1 x Engine Stop Relay
- Connection Cables and Wiring Harnesses
- User Manual (this document)



Figure 2.1: The PNI OV288 alarm system packaging and main components, including the central unit, remote controls, siren, and various cables.



Figure 2.2: A complete view of all components included with the PNI OV288 system, neatly arranged to show the central unit, two remote controls, siren, shock sensor, engine stop relay, and various wiring harnesses.

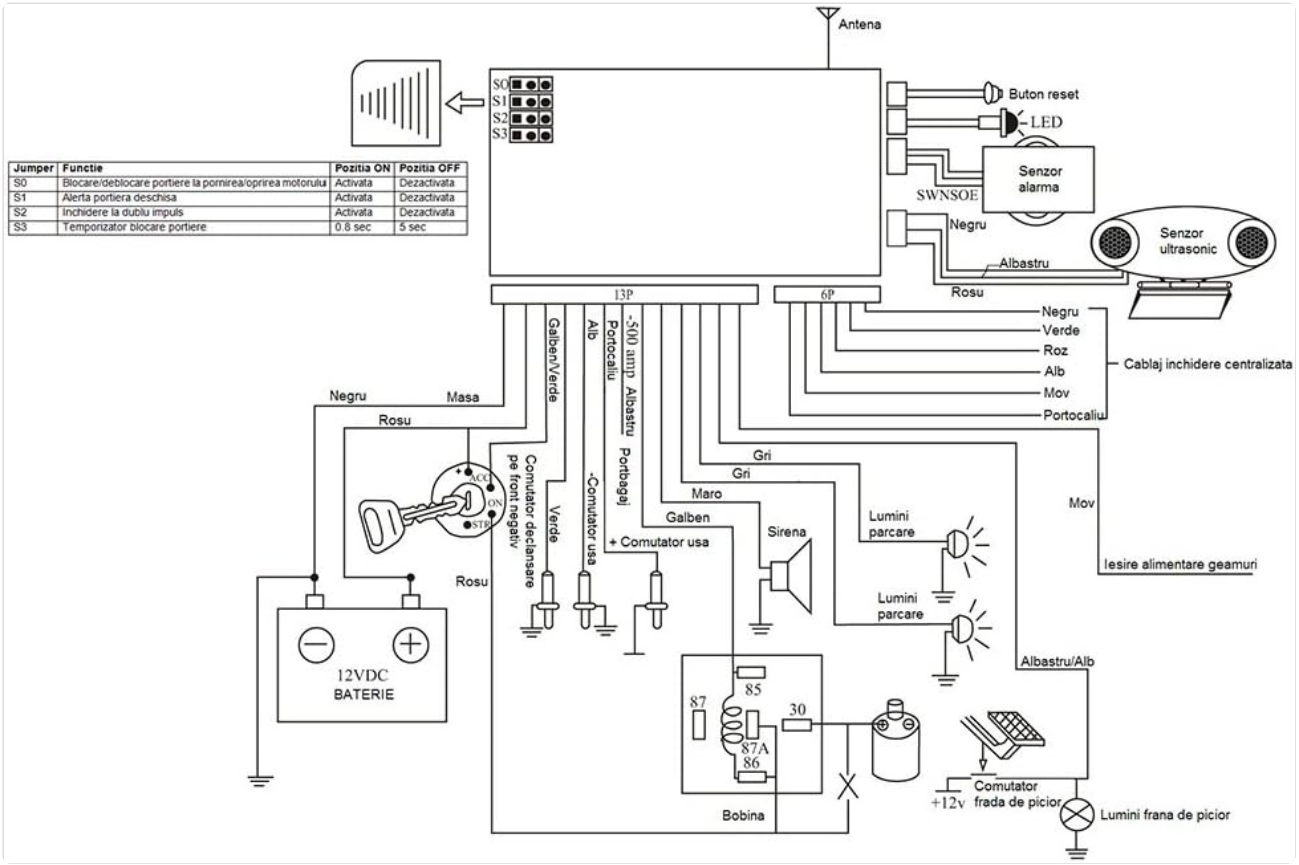
3. Setup and Installation

Warning: Installation of this vehicle security system requires knowledge of automotive electrical systems. Incorrect installation can lead to damage to the vehicle's electrical system or the alarm unit itself. Professional installation is highly recommended.

Before beginning installation, disconnect the vehicle's battery. Carefully plan the routing of all wires to avoid interference with moving parts or heat sources.

3.1. Main Wiring Diagram

The following diagram illustrates the primary connections for the PNI OV288 central unit, including power, ignition, siren, sensors, and central locking. Refer to your vehicle's specific wiring diagram for accurate wire identification.



Jumper	Functie	Pozitia ON	Pozitia OFF
S0	Blocare/deblocare portiere la pornirea/oprirea motorului	Activata	Dezactivata
S1	Alerta portiera deschisa	Activata	Dezactivata
S2	Inchidere la dublu impuls	Activata	Dezactivata
S3	Temporizator blocare portiere	0.8 sec	5 sec

Figure 3.1: Detailed wiring schematic for the PNI OV288 alarm system. This diagram shows connections for the central unit, siren, shock sensor, ultrasonic sensor, LED indicator, reset button, ignition, battery (12VDC), and various central locking and light outputs. It also includes jumper settings for S1, S2, S3 controlling features like engine start blocking and door open alert.

Key connections to note:

- **Power (Red/Black):** Connect the red wire to a constant +12V source and the black wire to vehicle ground (chassis).
- **Ignition (Orange):** Connect to a wire that receives +12V when the ignition is ON.
- **Siren (Green):** Connect to the siren unit.
- **Shock Sensor:** Connect the shock sensor to its designated input on the central unit.
- **Central Locking:** The system supports various central locking configurations. Refer to Section 3.2.
- **Engine Stop Relay:** Integrate the engine stop relay into the vehicle's ignition circuit as per the diagram to enable engine immobilization.
- **LED Indicator:** Mount the LED in a visible location on the dashboard.
- **Reset Button:** Install the reset button in a hidden but accessible location.

3.2. Central Locking Wiring Configurations

The PNI OV288 system offers flexibility for integration with different types of central locking systems. Identify your vehicle's central locking type and follow the corresponding wiring diagram.

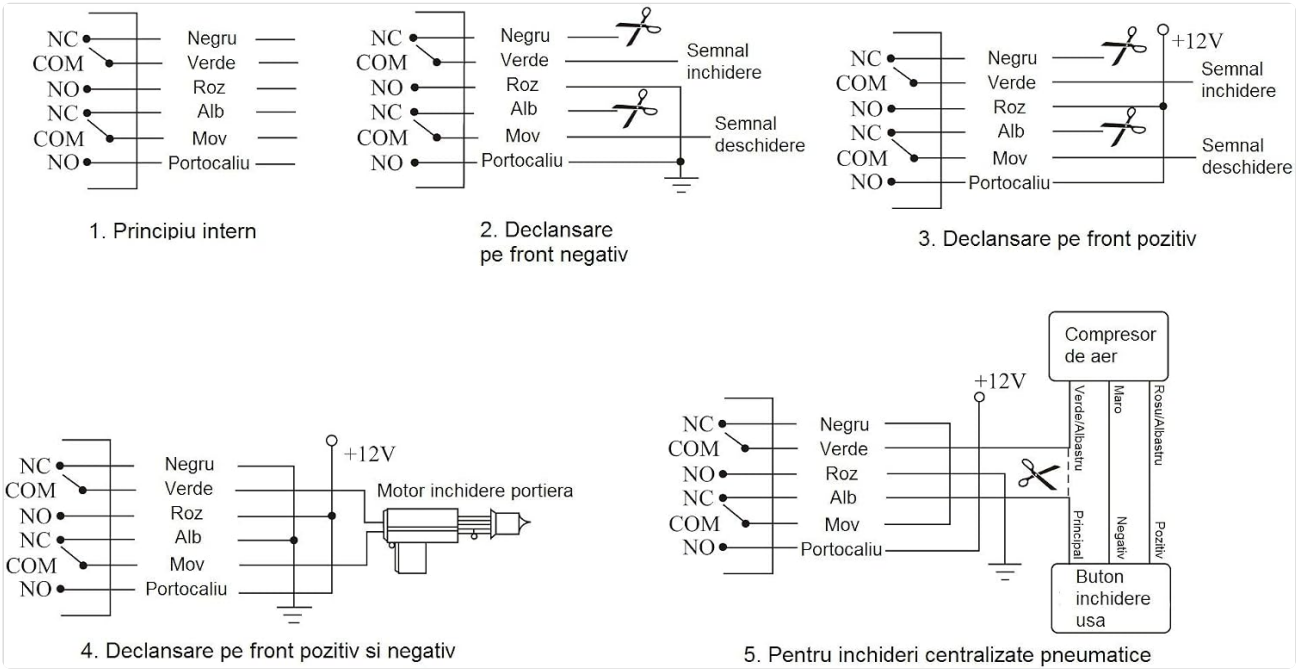


Figure 3.2: Various central locking wiring configurations for the PNI OV288. This includes diagrams for: 1. Internal Principle, 2. Negative Trigger, 3. Positive Trigger, 4. Positive and Negative Trigger, and 5. Pneumatic Central Locking Systems. Each diagram shows the specific connections for the lock/unlock signals (NC, COM, NO) to integrate with different vehicle systems.

Common Central Locking Types:

- **Negative Trigger:** Many older or aftermarket systems use a negative pulse to lock/unlock.
- **Positive Trigger:** Some vehicles use a positive pulse.
- **Positive and Negative Trigger:** Systems requiring both positive and negative signals for lock/unlock.
- **Pneumatic Systems:** For vehicles with air-pressure based central locking.

Consult your vehicle's service manual or a qualified auto electrician to determine the correct central locking wiring for your specific model.

4. Operating Instructions

The PNI OV288 system is operated primarily using the provided remote controls. Familiarize yourself with the buttons and their functions.

4.1. Remote Control Functions



Figure 4.1: The two remote controls included with the PNI OV288 system, showing their button layout for various functions such as lock, unlock, and other alarm features.

- **Lock Button ( ):** Press once to arm the alarm system and lock all doors. The turn signals will flash once, and the siren will chirp once (unless silent arming is enabled).
- **Unlock Button ( ):** Press once to disarm the alarm system and unlock all doors. The turn signals will flash twice, and the siren will chirp twice.
- **Trunk Release Button ( ):** Press and hold for 3 seconds to remotely open the vehicle's trunk (if connected and supported by the vehicle).
- **Car Locator/Panic Button ( ):** Press once to activate the car locator function. The siren will chirp and turn signals will flash, helping you locate your vehicle. Press and hold for 3 seconds to activate the panic alarm.

4.2. Silent Arming/Disarming

To arm or disarm the system silently, press the Lock or Unlock button twice within 3 seconds. The turn signals will flash, but the siren will not chirp.

4.3. Door Open Alert

If a door is opened while the system is armed, the alarm will trigger, and the siren will sound. Ensure all doors are properly closed before arming the system.

5. Maintenance

The PNI OV288 alarm system is designed for low maintenance. However, regular checks can ensure its longevity and reliable operation.

- **Remote Control Batteries:** The remote controls use Lithium Ion batteries (4 included with the product). If the remote's range decreases or it becomes unresponsive, replace the batteries. Refer to the remote's casing for battery type and replacement instructions.
- **Wiring Connections:** Periodically check all wiring connections for tightness and corrosion, especially after any vehicle maintenance.
- **Cleaning:** Keep the central unit and sensors free from dust and moisture. Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Siren Check:** Occasionally test the alarm by intentionally triggering it to ensure the siren is functioning correctly.

6. Troubleshooting

If you encounter issues with your PNI OV288 alarm system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Remote control not working.	Dead battery in remote. Out of range. Interference.	Replace remote battery. Move closer to the vehicle. Move away from strong radio signals.
Alarm triggers randomly (false alarms).	Shock sensor sensitivity too high. Loose wiring.	Adjust shock sensor sensitivity (refer to installation section or sensor manual). Check all wiring connections. Ensure doors/hood/trunk are fully closed.
Doors do not lock/unlock.	Incorrect central locking wiring. Fuse blown. Actuator issue.	Verify central locking wiring against Section 3.2. Check vehicle's central locking fuse. Consult an auto electrician if actuators are suspected.
Siren does not sound.	Siren disconnected or faulty. Wiring issue.	Check siren connection. Ensure siren is not damaged. Verify siren wiring.
Engine does not start after alarm installation.	Engine stop relay incorrectly wired or activated.	Verify engine stop relay wiring. Ensure alarm is disarmed. Consult wiring diagram in Section 3.1.

If the problem persists after attempting these solutions, please contact PNI customer support or a qualified automotive technician.

7. Specifications

Feature	Detail
Model Number	PNI-OV288
Brand	PNI
Item Weight	1.56 pounds (0.71 Kilograms)
Product Dimensions	6.69 x 4.72 x 4.61 inches
Batteries	4 Lithium Ion batteries required (included for remotes)

Feature	Detail
Wireless Remote	Yes
Manufacturer	Onlineshop Srl
ASIN	B072K589CQ

8. Warranty and Support

For warranty information and technical support, please contact PNI customer service. Keep your purchase receipt as proof of purchase.
For further assistance, you may visit the official PNI store on Amazon:PNI Official Store

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