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› Universal 12V Auto Car Alarm Keyless Entry System with Remote Control Siren Sensor User Manual

ePathChina 10

Universal 12V Auto Car Alarm Keyless Entry System User Manual

Model: 10 | Brand: ePathChina

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ePathChina Universal 12V Auto Car Alarm Keyless Entry System. This system is designed to enhance vehicle security with features such as remote control, siren, and sensor capabilities. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.



Figure 1: Overview of the Universal 12V Auto Car Alarm Keyless Entry System components.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x Main Control Unit
- 2x Remote Control
- 1x LED Connection Wire
- 1x Engine Killer Relay
- 1x Shock Sensor
- 1x Siren
- 1x Wiring Set
- 1x English User Manual (this document)



Figure 2: Labeled diagram of the system's main components, including the main control box, alarm horn, wiring harness, vibration sensor, power-off relay, LED indicator, and remote controls.

TECHNICAL SPECIFICATIONS

Main Unit Specifications

Parameter	Value
Voltage	DC12V +/-3V
Output Current (Turning Light)	7.5A x 2
LED Indicator Current	3mA
Siren Current	10A
Central Locking Current	10A
Working Frequency	315MHz - 433.92MHz

Remote Control Specifications

Parameter	Value
Working Voltage	DC12V
Average Static Current	0mA
Battery Type	23/27A/12V (CR216)

Shock Sensor Specifications

Parameter	Value
Working Voltage	DC12V +/-3V
Static Current	1mA

General Product Dimensions and Weight

Parameter	Value
Product Dimensions (L*W*H)	9.06 x 5.91 x 3.94 inches (230 x 150 x 100 MM)
Item Weight	1.65 pounds (770.0 G)



Figure 3: Detailed dimensions for the main control unit, siren, remote controls, and other components.

SETUP AND INSTALLATION

Important: Installation of this car alarm system requires knowledge of automotive electrical systems. It is highly recommended that installation be performed by a qualified professional to ensure correct wiring and prevent damage to your vehicle or the alarm system.

Wiring Diagram

Refer to the wiring diagram below for proper connection of all components. Ensure all connections are secure and insulated to prevent short circuits.

WIRING DIAGRAM

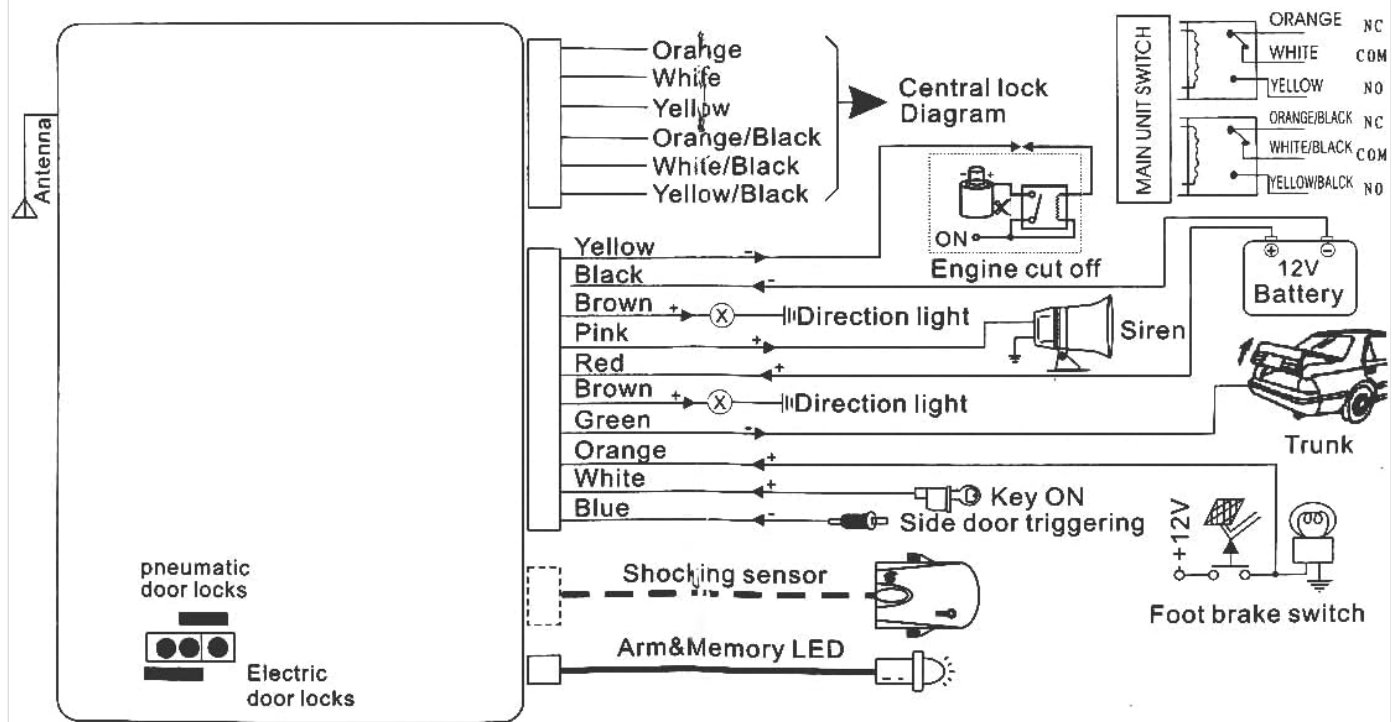


Figure 4: Comprehensive wiring diagram showing connections for the main unit, central lock, engine cut-off, siren, direction lights, trunk, side door triggering, shocking sensor, and LED indicator. This diagram includes options for both pneumatic and electric door locks.

Key Connection Points:

- **Power Supply:** Connect the main unit to a stable 12V DC power source (vehicle battery).
- **Siren:** Connect the siren to the designated output on the main unit.
- **Central Locking System:** Wire the central locking outputs to your vehicle's central locking system. The diagram shows options for both pneumatic and electric systems.
- **Engine Killer Relay:** Install the engine killer relay as per the diagram to enable engine cut-off functionality.
- **Shock Sensor:** Connect the shock sensor to the main unit. Position it in a location that can detect impacts effectively.
- **LED Indicator:** Install the LED indicator in a visible location on the dashboard to show system status.
- **Direction Lights:** Connect to the vehicle's turn signals for visual alarm indication.
- **Trunk Release:** If applicable, connect to the vehicle's trunk release mechanism for remote operation.
- **Side Door Trigger:** Connect to the vehicle's door sensors to detect unauthorized entry.

After all connections are made, secure the main control unit and other components in a safe, hidden location within the vehicle.

OPERATING INSTRUCTIONS

Remote Control Functions



Figure 5: Remote control button functions: Lock, Mute-arming, and Unlock.

- **Lock Button:** Press to arm the alarm system and lock the vehicle doors. The LED indicator will flash, and the siren may chirp once (depending on settings).
- **Unlock Button:** Press to disarm the alarm system and unlock the vehicle doors. The LED indicator will turn off, and the siren may chirp twice.
- **Mute-Arming Button (Speaker with X):** Press to arm the alarm system silently, without siren chirps. The doors will lock, and the system will be armed.
- **Trunk Release Button (if applicable):** Press and hold (or double-press) to remotely open the vehicle's trunk.

System Features

Car alarm system

Main features:

- Anti-Hijacking
- Trigger memory
- Remote trunk open
- Central door lock automatically
- Learning code
- Remote in arm/ disarm
- Engine cut off
- Silent in arm
- LED indicator status
- Car finding



Figure 6: Graphic illustrating the main features of the car alarm system.

- **Warning Identification:** The system provides audible and visual warnings upon detection of unauthorized entry or tampering.
- **Anti-Hijacking:** A security feature designed to prevent vehicle theft during a hijacking attempt. Consult a professional installer for details on activating and using this feature safely.
- **Central Door Locking System Automation:** Automatically locks doors when the system is armed and unlocks when disarmed.
- **Door Unclosed Well Warning Function:** Alerts if a door is not properly closed when attempting to arm the system.
- **Car Finding / Help Calling:** Use the remote to locate your vehicle in a parking lot by activating the siren and lights.
- **Re-arm:** If the system is disarmed but no door is opened within a set time, it will automatically re-arm.
- **LED Indicator:** Provides visual status of the alarm system (armed, disarmed, warning).
- **Engine Cut Off:** In an alarm state, the system can prevent the engine from starting or running.
- **Emergency Disarm:** A method to disarm the system without the remote control in case of emergency. Refer to your installer for specific instructions.

- **Intruding Warning:** Triggers the alarm if unauthorized entry is detected.
- **Power Off Memory:** The system retains its armed/disarmed state even after power interruption.
- **Silent Arm:** Allows arming the system without the siren chirps.
- **Arming Reminding:** Provides a reminder if the vehicle is left unsecured.
- **Emergency Override / Valet Mode:** Allows temporary disabling of alarm features for servicing or valet parking.

MAINTENANCE

- **Remote Control Battery Replacement:** If the remote control range decreases or it stops responding, replace the battery (Type: 23/27A/12V or CR216).
- **System Check:** Periodically test the alarm system's functionality (arming, disarming, siren, shock sensor) to ensure it is working correctly.
- **Cleaning:** Keep the main unit and sensors free from dust and moisture. Do not use harsh chemicals for cleaning.
- **Professional Inspection:** Consider having the system professionally inspected annually to ensure optimal performance and address any potential wiring issues.

TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not respond to remote control.	Dead remote battery; remote out of range; interference; main unit power issue.	Replace remote battery; move closer to vehicle; check vehicle's 12V power supply to the main unit.
Siren does not sound.	Siren disconnected or faulty; system in silent arm mode.	Check siren wiring; ensure system is not in silent arm mode; test siren.
Doors do not lock/unlock.	Central locking wiring issue; vehicle's central locking system fault.	Verify central locking connections as per wiring diagram; consult a professional if vehicle's system is faulty.
Alarm triggers frequently without cause.	Shock sensor sensitivity too high; faulty sensor.	Adjust shock sensor sensitivity (usually a dial on the sensor unit); replace sensor if faulty.
LED indicator not working.	LED wire disconnected or faulty LED.	Check LED connection wire; replace LED if necessary.

For issues not covered here, or if problems persist, please contact a qualified automotive electrician or the manufacturer's support.

WARRANTY AND SUPPORT

This ePathChina product is designed for reliability and performance. For specific warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, it is recommended to consult with a professional automotive electrical technician, especially for installation and complex troubleshooting. For general inquiries, you may visit the ePathChina brand page on Amazon: [ePathChina Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I open the remote control fob for the ePathChina Model 10 Car Alarm to replace the battery?

To open the remote control fob for the ePathChina Model 10 car alarm system, follow these general steps for battery replacement: Locate the Seam: Look for a small notch or seam along the side or...

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