

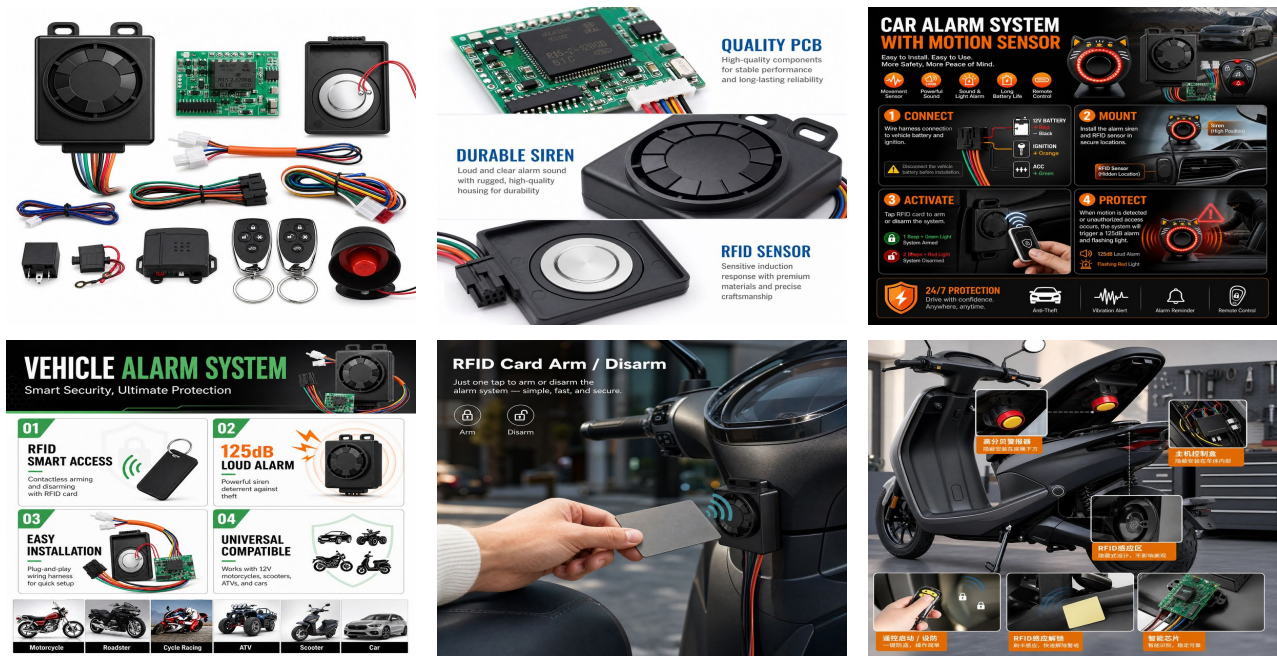
DC 12V One-Way Anti-Theft Central Control Alarm System

Product Specification Sheet

Product Overview

This DC 12V One-Way Anti-Theft Central Control Alarm System is a high-performance vehicle security solution designed for motorcycles, scooters, ATVs, and other 12V-powered vehicles. It integrates a central locking control module, high-decibel siren, and sensitive shock detection into a compact, weather-resistant unit. The system provides comprehensive anti-theft protection with remote key fob operation up to 150 meters (open field). Key functions include arming/disarming, remote engine start, engine immobilization (anti-hijack), vehicle locating, silent arm/disarm, and adjustable shock sensitivity.

Product Images



Technical Specifications

Product Name	Anti-Theft Central Control Alarm System
Model	ATACCS-01 Series
Working Voltage	DC 12V (+/- 2V)
Standby Current	<= 5 mA
Working Current	<= 30 mA
Alarm Current	<= 150 mA
Remote Control Type	One-Way (Unidirectional) RF Wireless
Remote Frequency	433.92 MHz (ISM Band)
Remote Range	Up to 150 m (open field / line of sight)

Remotes Included	2 x 4-Button Key Fob Remotes
Remote Battery	CR2032 Lithium Coin Cell (built-in, 200 mAh)
Siren Sound Level	110-125 dB (piezoelectric siren)
Shock Sensor	Built-in 3-Axis Vibration / Shock Sensor
Shock Sensitivity Levels	4 Adjustable Levels (Level 1 to 4)
Central Lock Control	Integrated (positive/negative trigger selectable)
Engine Immobilizer	Yes (remote engine cut-off / anti-hijack relay)
Engine Start	Remote Engine Start (keyless ignition support)
Vehicle Locating	Yes (audible + visual signal activation)
Trigger Memory	Yes (recalls last alarm trigger event)
Silent Arm / Disarm	Supported
Anti-Hijack Mode	Supported (engine cut-off during unauthorized movement)
Waterproof Rating	Weather-Resistant / IP54 Equivalent (control module)
Housing Material	High-Impact ABS Plastic (flame-retardant grade)
Operating Temperature	-20 deg C to +70 deg C (-4 deg F to +158 deg F)
Storage Temperature	-30 deg C to +80 deg C (-22 deg F to +176 deg F)
Relative Humidity	10% to 95% RH (non-condensing)
Wiring Type	Plug-and-Play Wiring Harness with Color-Coded Leads
Net Weight (Full Kit)	Approx. 220 g (0.49 lbs)
Gross Weight (Packaged)	Approx. 350 g (0.77 lbs)
Package Dimensions	Approx. 180 x 140 x 65 mm
Certifications	CE, FCC, RoHS

Key Features

- **One-Way RF Remote Control** -- Reliable 433.92 MHz wireless communication with up to 150 m range for arming, disarming, and vehicle control.
- **Integrated Central Lock Control** -- Built-in central locking relay supports positive and negative trigger door lock actuators for motorcycles and vehicles.
- **High-Decibel Alarm Siren** -- 110-125 dB piezoelectric siren effectively deters theft and alerts the surrounding area upon unauthorized access.
- **Smart Shock & Vibration Sensor** -- 3-axis digital vibration sensor with 4 adjustable sensitivity levels to prevent false alarms while maintaining security.
- **Remote Engine Start / Immobilizer** -- Keyless engine ignition via remote, plus anti-hijack engine cut-off for theft-in-progress situations.
- **Vehicle Locating Function** -- Activate audible and visual signals remotely to quickly locate your vehicle in crowded parking areas.
- **Trigger Event Memory** -- System stores the last alarm trigger event for post-incident review and diagnostics.
- **Silent Arm / Disarm Mode** -- Discreetly arm or disarm the system without audible confirmation chirps for noise-sensitive environments.

- **Weather-Resistant Construction** -- IP54-equivalent sealed control module and corrosion-resistant connectors for all-weather reliability.
- **Universal Compatibility** -- Designed for any 12V DC electrical system: motorcycles, scooters, ATVs, UTVs, golf carts, and light vehicles.
- **Low Power Consumption** -- Ultra-low standby current (≤ 5 mA) ensures minimal battery drain during extended parking periods.
- **Easy Installation** -- Color-coded wiring harness with plug-and-play connectors; includes complete installation manual and mounting hardware.

Functions Overview

Arm / Lock	Press lock button on remote; system arms, central lock engages, siren chirps once, turn signals flash once.
Disarm / Unlock	Press unlock button; system disarms, central lock releases, siren chirps twice, turn signals flash twice.
Silent Arm / Disarm	Press and hold lock/unlock for 2 seconds; system arms/disarms without audible chirp confirmation.
Remote Engine Start	Press engine start button (lightning icon); engine cranks and starts remotely (requires starter relay wiring).
Engine Cut-Off / Anti-Hijack	Press engine cut button during operation; engine immobilizes, or system auto-detects hijack and cuts engine.
Vehicle Locate	Press locate button (speaker icon); siren sounds and turn signals flash to help locate the vehicle.
Shock Sensor Trigger	When armed, any vibration/shock exceeding set threshold triggers a 3-cycle siren alarm with light flash.
Trigger Memory Recall	Upon disarming, if an alarm was triggered during absence, siren chirps 4 times to alert the owner.
Panic Mode	Press and hold lock button for 3 seconds; continuous siren and flashing lights for emergency deterrence.
Sensitivity Adjustment	Adjust shock sensor sensitivity via remote button combination (refer to manual for detailed procedures).

Application Fields

- **Motorcycles** -- Sport bikes, cruisers, touring bikes, and commuter motorcycles.
- **Scooters & Mopeds** -- Electric and gasoline-powered two-wheel scooters.
- **ATVs & UTVs** -- All-terrain vehicles, side-by-sides, and quad bikes.
- **Golf Carts** -- Electric and gas-powered golf carts and utility vehicles.
- **E-Bikes & E-Scooters** -- High-value electric bicycles and standing scooters.
- **Light Commercial Vehicles** -- Delivery trikes, cargo scooters, and tuk-tuks.
- **Personal Watercraft** -- Jet skis and small boats with 12V electrical systems.
- **Classic & Vintage Vehicles** -- Retrofit security for older vehicles without factory alarms.
- **Fleet Vehicles** -- Rental fleets, delivery fleets, and shared mobility vehicles.
- **Parking Security** -- Residential and commercial parking security augmentation.

Typical Usage Scenarios

- **Daily Commuting:** Arm the system when parking at work, shopping centers, or transit stations.
- **Overnight Parking:** Secure your vehicle in residential driveways or street parking overnight.
- **Fleet Management:** Equip delivery and rental fleets with uniform anti-theft protection; use engine immobilizer to prevent unauthorized use.
- **Public Events:** Use the vehicle locate function to quickly find your vehicle in large crowded lots.
- **Long-Term Storage:** During off-season storage, ultra-low standby current preserves battery life.
- **Ride-Sharing & Rentals:** Remote engine start/stop enables keyless handover for shared mobility operations.

Usage Instructions

Installation (Summary)

The system is designed for straightforward installation by a qualified technician or experienced DIY installer. It includes a color-coded wiring harness, mounting bracket, and comprehensive installation manual. Key installation steps are summarized below:

- **Step 1 -- Mount the Control Module:** Select a concealed, weather-protected location (under the seat, inside the fairing, or behind the dashboard). Secure with the included mounting bracket and zip ties, away from high-heat sources and moving parts.
- **Step 2 -- Connect Power:** Connect the Red wire to 12V DC positive (+) (ignition-switched or constant). Connect the Black wire to negative (-) or chassis ground. Use the included inline fuse (10A) on the positive lead.
- **Step 3 -- Connect Turn Signals:** Connect the Yellow and Yellow/Black wires to the left and right turn signal circuits for visual alarm confirmation.
- **Step 4 -- Connect Central Lock:** Connect the White (lock) and White/Black (unlock) wires to the central door lock actuator. Set the jumper to positive or negative trigger based on the vehicle lock system type.
- **Step 5 -- Connect Engine Start/Immobilizer (Optional):** Connect the Orange wire to the starter relay for remote engine start. Connect the Pink wire to the ignition cut-off relay for anti-hijack engine immobilization.
- **Step 6 -- Mount the Siren:** Install the siren in an accessible but tamper-resistant location with the siren opening facing downward to prevent water ingress.
- **Step 7 -- System Test:** Reconnect the vehicle battery. Test all functions: arm/disarm, shock sensor trigger, central lock operation, engine start/stop, and vehicle locate. Adjust shock sensitivity as needed.

Daily Operation

- **Arming:** Press the **Lock** button (closed padlock icon) once. Siren chirps once, turn signals flash once, central lock engages.
- **Disarming:** Press the **Unlock** button (open padlock icon) once. Siren chirps twice, turn signals flash twice, central lock disengages. (If siren chirps 4 times, an alarm was triggered during your absence.)
- **Remote Engine Start:** Press the **Lightning** button for 1 second. Engine cranks and starts. Press again to stop.
- **Vehicle Locate:** Press the **Speaker** button. Siren sounds intermittently and lights flash to help locate your vehicle.
- **Silent Arm/Disarm:** Press and hold Lock or Unlock for 2 seconds to arm/disarm without audible chirps.
- **Panic Alarm:** Press and hold Lock for 3 seconds to activate continuous siren and hazard lights. Press Unlock to cancel.

Shock Sensitivity Adjustment

To adjust shock sensor sensitivity: 1) Disarm the system. 2) Within 10 seconds of disarming, press the Lock button repeatedly to cycle through sensitivity levels (1 chirp = Level 1 / lowest, 2 chirps = Level 2 / medium-low, 3 chirps = Level 3 / medium-high, 4 chirps = Level 4 / highest). 3) Wait 5 seconds; the system confirms with a long beep. **Recommendation:** Start at Level 2 and increase if needed. Level 4 may trigger on strong wind or passing heavy vehicles.

Package Contents

1 x	Main Control Module (Brain Unit) with Built-in Shock Sensor
1 x	High-Decibel Piezoelectric Siren (110-125 dB)
2 x	One-Way 4-Button Remote Key Fobs (CR2032 battery pre-installed)
1 x	Color-Coded Wiring Harness with Plugs and Terminals
1 x	Inline Fuse Holder with 10A Blade Fuse
1 x	Mounting Bracket and Hardware Kit (screws, zip ties, double-sided tape)
1 x	Central Lock Relay Module (positive/negative trigger selectable)
1 x	LED Status Indicator Light (optional installation)
1 x	User Manual / Installation Guide (English)

Wiring Reference

[Red]	12V DC Positive (+) -- Constant or Ignition-Switched Power
[Black]	Ground / Negative (-) -- Chassis Ground
[Yellow]	Left Turn Signal (+) -- 12V Trigger Output
[Yellow/Black]	Right Turn Signal (+) -- 12V Trigger Output
[White]	Central Lock -- Lock Signal (+ / - selectable via jumper)
[White/Black]	Central Lock -- Unlock Signal (+ / - selectable via jumper)
[Orange]	Engine Start -- Starter Relay Trigger (+12V Pulse Output)
[Pink]	Engine Immobilizer -- Ignition Cut-Off Relay (NC/COM)
[Brown]	Siren Output (+) -- Connect to Siren Positive Lead
[Blue]	LED Indicator Output (+) -- Optional Status LED Connection
[Green]	Accessory / Auxiliary Output (+) -- Programmable

Safety Notes & Warranty

Important Safety Notes

- Disconnect the vehicle battery before beginning installation to prevent short circuits.
- Ensure all wiring connections are properly insulated with heat-shrink tubing or electrical tape.
- Do not install the control module near high-temperature components (engine block, exhaust manifold).
- Test the engine immobilizer function in a safe, stationary environment before relying on it in traffic.
- Replace remote control batteries promptly when range decreases -- low battery may cause unreliable operation.
- This system is a deterrent device; it does not guarantee prevention of all theft attempts.
- Installation by a qualified automotive electrician is strongly recommended for vehicles with CAN-bus systems.

Warranty Information

Suzhou Shengxin Electronic Technology Co.,Ltd provides a **12-month limited warranty** on this Anti-Theft Central Control Alarm System against manufacturing defects in materials and workmanship under normal use. The warranty period begins from the date of purchase. This warranty does not cover damage resulting from improper installation, unauthorized modification, accident, water submersion beyond IP54 rating, misuse, or acts of nature. For warranty claims, please contact our support team with proof of purchase and a description of the issue.

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Main Products	Vehicle Alarm Systems, GPS Trackers, Central Lock Systems, Motorcycle Security

For wholesale inquiries, OEM/ODM partnerships, and bulk pricing, please contact us via email or phone. Custom branding and packaging options are available for volume orders.