

CARGUARD STEALTH SWITCH – Remote Isolation Relay

User Guide & Installation Instructions

1. Product Overview

The **Stealth Switch** is a 12V remote-controlled isolation relay designed to cut power to ignition, fuel systems, ECU, or other circuits, providing a discreet and independent anti-theft solution.

- **Operating Voltage:** DC 12V
 - **Rated Current:** 200A continuous
 - **Peak Start Current:** 360A (3 seconds max)
 - **Relay Terminals:** Standard 4-pin (30, 85, 86, 87)
 - **Control Method:** 2.4GHz encrypted remote fobs
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2. Basic Wiring Guide

 **IMPORTANT:** Always disconnect the battery before installation. Professional installation is strongly recommended.

Relay Pinout Reference

- **Pin 30:** Input (from battery or power source)
- **Pin 87:** Output (to ignition, fuel, ECU, etc.)
- **Pin 85:** Ground (negative)
- **Pin 86:** +12V ignition/accessory or constant power (fused)

Installation Steps

1. **Disconnect the vehicle's battery** before beginning installation.
2. **Determine which circuit you want to isolate** (ignition, fuel pump, ECU, etc.).
3. **Wire Pin 30** to the power input side of the circuit (e.g., battery or ignition feed).
4. **Wire Pin 87** to the output/load side (e.g., ignition coil, pump, etc.).
5. **Connect Pin 85** to a solid ground point.
6. **Connect Pin 86** to a fused +12V source (constant or ignition depending on desired function).
7. Secure the relay in a hidden location (engine bay, cabin fuse box, etc.) to maintain stealth.

3. Operation

- The relay is normally **off** until activated by the remote fob.
 - Pressing the fob sends an encrypted signal to toggle the relay **on** or **off**, restoring or cutting power to the selected circuit.
 - Status is retained after power loss (e.g., battery disconnection).
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4. Installation Notes

- **Do NOT use to directly control starter motor current.**
If immobilising the starter circuit, wire the relay to interrupt the **starter relay trigger**, not the high-current starter motor line.
 - This unit is designed to handle **200A continuously** and **360A peak for 3 seconds**.
Avoid exceeding these ratings to prevent damage.
 - The unit is preset and requires no pairing or programming out of the box.
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5. Safety & Warnings

- Ensure correct polarity when wiring:
 - **Pin 85:** Negative
 - **Pin 86:** Positive
 - Reversing polarity on the control pins may **damage the internal receiver module**.
 - Always isolate power before installation or modification to avoid short circuits or damage.
 - Not suitable for 24V systems—use a dedicated 24V model for those applications.
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6. Who can install this?

The CarGuard Steal Switch can be installed by a mechanic or Auto-electrical person, such as car audio places, car alarm installers and other types of automotive centric businesses.