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SCS Sentinel AAM0125

SCS Sentinel AAM0125 WifiGate Connected Receiver Module User Manual

Model: AAM0125

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the SCS Sentinel AAM0125 WifiGate Connected Receiver Module. This module enables wireless control of your gate or garage door automation system via Wi-Fi, offering enhanced convenience and accessibility.

2. Safety Information

- Ensure the power supply is disconnected before installation or maintenance to prevent electric shock.
- The module requires a 12V DC power supply (not included). Using an incorrect power supply may damage the device.
- Install the module in a waterproof box (not supplied) if exposed to outdoor elements to protect it from moisture.
- Consult a qualified electrician if you are unsure about any wiring procedures.

3. Package Contents

Verify that all components are present in the package:

- SCS Sentinel AAM0125 WifiGate Receiver Module
- Sensor with 5m cable
- Magnet for sensor
- Double-sided screws for mounting
- Instruction manual



Figure 3.1: Contents of the SCS Sentinel AAM0125 WifiGate Receiver Module package, including the module, sensor, magnet, and manual.

4. Specifications

Feature	Specification
Model Number	AAM0125
Power Supply	12V DC (not supplied)
Wi-Fi Standard	802.11b/g/n
Frequency	2412MHz - 2472MHz / 2402MHz - 2480MHz
Sensor Cable Length	5 meters

Dimensions (Module)	8.8 x 4 x 2.3 cm
Weight	100 g

5. Setup and Installation

The installation process involves connecting the module to your gate or garage door motorization system and configuring it with the mobile application.

5.1. Physical Installation and Wiring

1. **Mount the Module:** Choose a suitable location near your gate or garage door motorization system. Ensure it is protected from weather elements, ideally within a waterproof enclosure (not supplied). Use the provided double-sided screws for mounting.
2. **Connect Power:** The module requires a 12V DC power supply (not included). Connect the power wires to the appropriate terminals on the module. Ensure correct polarity. This standard voltage is commonly found in many motorization systems.
3. **Connect Control Wires:** Connect the two control wires from the module to the accessory terminals of your gate or garage door control board. These are typically the terminals used for electric strikes or push buttons. Refer to your motorization system's manual for specific terminal identification.
4. **Install the Sensor:** Mount the sensor and its magnet on your gate or garage door in a position where they align when the gate/door is closed. The 5-meter cable provides flexibility for optimal placement. Ensure the sensor detects the open/closed status accurately.

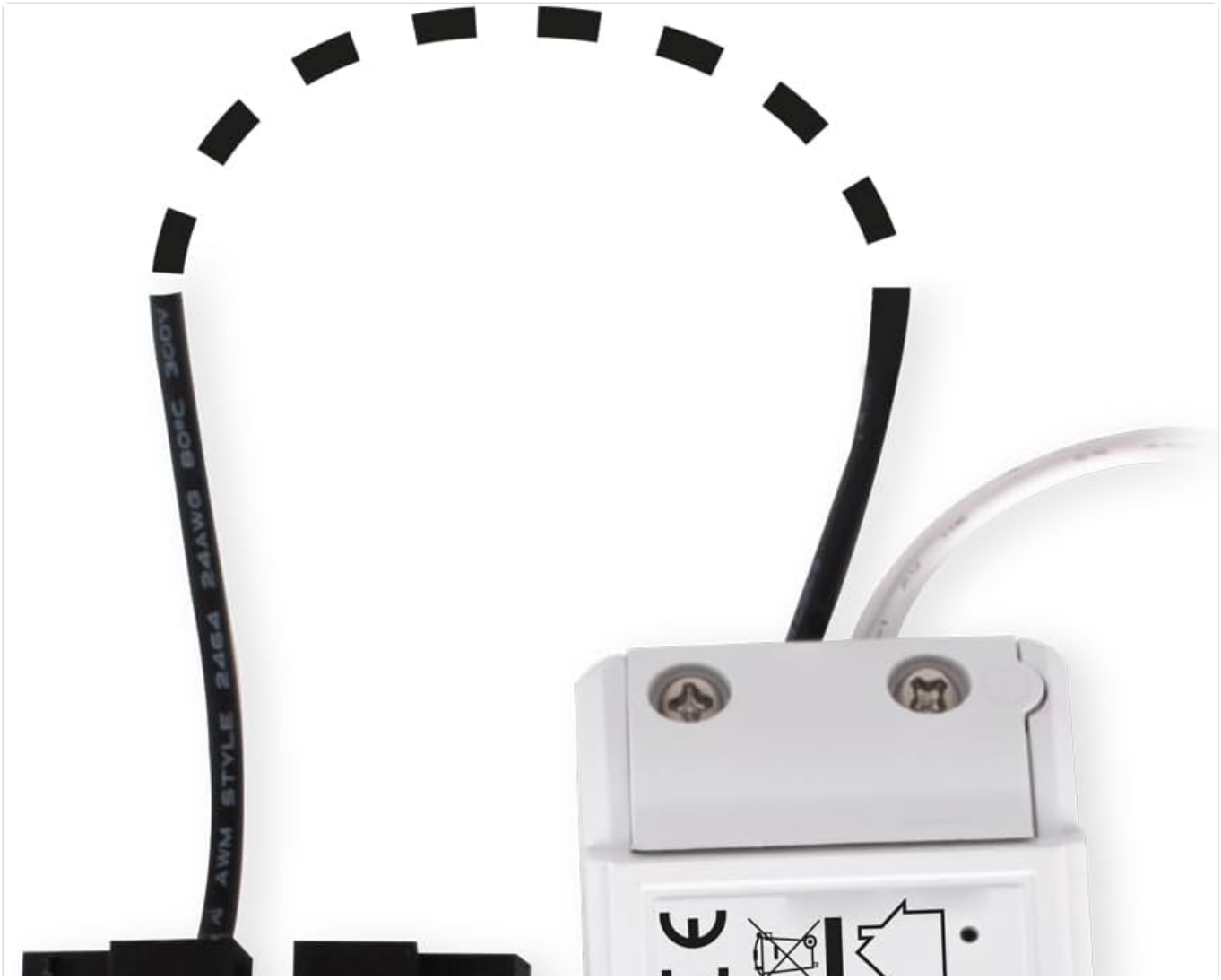




Figure 5.1: Top view of the AAM0125 module, showing the power input, control output, and sensor connection points, along with the magnetic sensor.



Figure 5.2: Detailed view of the AAM0125 module, highlighting the model reference, power requirements (12V === 1A), batch number, and the ON/OFF button.



Figure 5.3: Close-up of the two parts of the magnetic sensor, which detect the open or closed state of the gate/door.

5.2. App Download and Configuration

1. **Download the App:** Search for "iSCS Sentinel" in your smartphone's app store (Google Play Store for Android or Apple App Store for iOS).
2. **Create an Account:** Follow the in-app instructions to create a new user account or log in if you already have one.
3. **Add Device:** Within the app, select the option to add a new device. The app will guide you through connecting the WifiGate module to your home Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz, as the module supports 802.11b/g/n standards.
4. **Pairing:** Follow the app's prompts to put the module into pairing mode. This usually involves pressing a button on the module or cycling its power.
5. **Test Functionality:** Once paired, use the app to test the opening and closing of your gate or garage door. Verify that the sensor accurately reports the status.



Figure 5.4: The WifiGate module shown with a smartphone displaying the control interface of the iSCS Sentinel app for motorization.



Figure 5.5: The underside of the AAM0125 module, featuring a QR code (be5c7e6aaf1ad64d) which may be used for quick device pairing with the iSCS Sentinel application.

6. Operating Instructions

Once the WifiGate module is successfully installed and configured, you can control your gate or garage door using the iSCS Sentinel mobile application.

- **Remote Control:** Open the iSCS Sentinel app on your smartphone. The main interface will display controls for your connected motorization system.
- **Open/Close:** Tap the designated button (often a power icon or an arrow) to send a command to open or close your gate/door.
- **Status Monitoring:** The app will display the current status of your gate/door (open or closed) based on the feedback from the magnetic sensor.
- **History:** The app may provide a history log of operations, allowing you to review when the gate/door was opened or closed.

7. Maintenance

The SCS Sentinel AAM0125 module requires minimal maintenance to ensure optimal performance.

- **Keep Dry:** Ensure the module remains dry. If installed outdoors, verify its waterproof enclosure is intact and sealed.
- **Cleanliness:** Periodically clean the module and sensor with a soft, dry cloth to remove dust or debris. Do not use harsh chemicals or abrasive cleaners.
- **Sensor Alignment:** Check the alignment of the magnetic sensor and its magnet periodically to ensure they are still correctly positioned for accurate status detection.
- **Firmware Updates:** Check the iSCS Sentinel app for any available firmware updates for the module. Install updates as recommended to improve performance and security.

8. Troubleshooting

If you encounter issues with your WifiGate module, refer to the following troubleshooting steps:

- **Module Not Responding:**
  - Check the 12V DC power supply connection to the module.
  - Ensure the module's ON/OFF button is in the 'ON' position.
  - Verify your Wi-Fi network is active and the module is within range.
  - Restart the module by disconnecting and reconnecting its power supply.
- **App Cannot Find Device / Connect:**
  - Confirm your smartphone is connected to a 2.4GHz Wi-Fi network during setup.
  - Ensure the module is in pairing mode as per app instructions.
  - Check if the "iSCS Sentinel" app is supported in your region. Some users have reported regional restrictions.
  - Try resetting your home router and the module, then attempt pairing again.
- **Gate/Door Not Operating via App:**
  - Verify the control wires are correctly connected to your motorization system's accessory terminals.
  - Ensure your motorization system is powered and functional independently.
  - Check the app for any error messages or status indicators.
- **Incorrect Gate/Door Status in App:**
  - Inspect the magnetic sensor and its magnet for proper alignment when the gate/door is closed.
  - Ensure the sensor cable is securely connected to the module.

9. Warranty and Support

SCS Sentinel guarantees the reliability of its technical products. The company provides technical support based in France to assist with product installation and usage.

- **Warranty:** Refer to your purchase documentation for specific warranty terms and duration.
- **Technical Support:** For assistance, contact SCS Sentinel technical support. Contact details can typically be found on the manufacturer's website or in your product packaging.
- **Online Resources:** Visit the official SCS Sentinel website (www.scs-sentinel.com) for additional resources,

FAQs, and updated information.

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