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SCS Sentinel MCO0108, AAA0045

SCS Sentinel MCO0108 Sliding Gate Motorization & AAA0045 Wireless Keypad User Manual

Model: MCO0108, AAA0045

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SCS Sentinel MCO0108 Sliding Gate Motorization system, including the AAA0045 Wireless Keypad. Please read this manual carefully before installation and use to ensure safe and efficient operation.

Product Overview

The SCS Sentinel MCO0108 is a robust 24V motorization system designed for sliding gates, capable of handling gates up to 500 kg. It comes with two remote controls for convenient long-range operation and an integrated LED flashing light for enhanced safety. The included AAA0045 Wireless Keypad provides an additional secure access method, allowing both full and pedestrian gate openings via a personal code.



Image: The complete SCS Sentinel MCO0108 sliding gate motorization kit, featuring the main motor unit, an orange LED flashing light, two black remote controls, and the black wireless keypad with a silver numeric pad.

Key Features

- **Powerful Motorization:** 24V motor designed for sliding gates up to 500 kg, ensuring smooth and reliable operation.
- **Long-Range Remote Controls:** Includes two remote controls with a 50-meter range for convenient gate operation from a distance.

- **Enhanced Safety:** Equipped with an LED flashing light to improve visibility of gate movement for pedestrians and vehicles.
- **Wireless Keypad (AAA0045 CODEGATE):** Allows secure access control via a personal code, with a 50-meter range. Features sensitive keys for easy input.
- **Flexible Opening Modes:** Supports both full gate opening for vehicles and pedestrian (partial) opening for individuals, bicycles, or scooters.
- **Easy Wireless Installation:** The keypad is completely wireless and battery-powered (requires 2 x CR2032 batteries, not included), simplifying installation and programming.

Specifications

Component	Specification
Motorization Voltage	24V
Max Gate Weight	500 kg
Remote Control Range	50 meters
Keypad Model	AAA0045 (CODEGATE)
Keypad Power Source	2 x CR2032 batteries (not included)
Included Components	1 x MCO0108 Motorization Unit, 2 x Remote Controls, 1 x AAA0045 Wireless Keypad, 1 x LED Flashing Light
Color	Black
Exterior Finish (Keypad)	Stainless Steel (Note: This refers to the keypad's finish)

Safety Instructions

Always observe the following safety precautions to prevent injury or damage:

- Ensure all electrical connections are made by a qualified professional and comply with local regulations.
- Do not allow children to play with the gate or remote controls.
- Keep the area around the gate clear of obstructions.
- In case of malfunction, disconnect power before attempting any repairs.
- Regularly inspect the gate and motor for signs of wear or damage.

Setup and Installation

1. Motorization Unit Installation (MCO0108)

1. **Prepare the Foundation:** Ensure a stable, level concrete foundation for the motor unit adjacent to the gate.
2. **Mount the Motor:** Securely fasten the MCO0108 motor unit to the prepared foundation using appropriate anchors.

3. **Install Rack Gear:** Attach the rack gear sections along the length of the sliding gate, ensuring proper alignment with the motor's pinion gear. Leave a small gap (approx. 1-2mm) between the rack and pinion to allow for smooth movement.
4. **Electrical Connection:** Connect the motor to a 24V power supply. Refer to the wiring diagram provided in the separate detailed installation guide for specific connections (power, safety sensors, flashing light).
5. **Limit Switches:** Install and adjust the magnetic limit switches at the desired open and closed positions of the gate.

2. Wireless Keypad Installation (AAA0045)

1. **Battery Insertion:** Open the keypad cover and insert 2 x CR2032 batteries, observing polarity.
2. **Mounting Location:** Choose a convenient location near the gate, within 50 meters of the motor unit, and at a comfortable height for users. The keypad is designed for surface mounting.
3. **Secure Mounting:** Use screws to securely attach the keypad to the desired surface.
4. **Pairing with Motor:** Follow the motor unit's programming instructions to pair the AAA0045 keypad. This typically involves putting the motor's control board into learning mode and entering a default or new code on the keypad.
5. **Set Access Codes:** Program your desired personal access codes for full and pedestrian openings according to the motor's control board manual.

3. Remote Control Pairing

To pair the remote controls with the motor unit, refer to the specific programming section of the MCO0108 motor's detailed installation manual. This process usually involves pressing a learning button on the motor's control board and then a button on the remote control.

Operating Instructions

Using Remote Controls

- Press the designated button on the remote control to open or close the gate.
- Pressing the button again during operation will stop the gate. A third press will reverse its direction.

Using the Wireless Keypad (AAA0045)

- **Full Opening:** Enter your programmed full opening code on the keypad, then press the designated confirmation key (e.g., '#'). The gate will open completely.
- **Pedestrian Opening:** Enter your programmed pedestrian opening code on the keypad, then press the designated confirmation key. The gate will open partially to allow pedestrian access.
- The keypad features sensitive keys; a light touch is sufficient for input.

Manual Override

In case of power failure or malfunction, the gate can be operated manually. Locate the manual release mechanism on the motor unit (usually a key-operated lever) and disengage the motor to allow manual movement of the gate. Re-engage the motor for automatic operation.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your gate motorization system:

- **Monthly:**

- Inspect the gate's movement for any unusual noises or resistance.
- Check the rack gear for debris and clean if necessary.
- Verify the proper functioning of safety features, such as the flashing light and any installed photocells.

- **Every 6 Months:**
  - Lubricate moving parts of the gate (hinges, rollers) if applicable.
  - Check all electrical connections for tightness and signs of corrosion.
  - Test the remote control and keypad range and battery levels. Replace keypad batteries (CR2032) as needed.
- **Annual Professional Check:** Consider an annual inspection by a qualified technician to ensure all components are functioning correctly and safely.

Troubleshooting

Problem	Possible Cause	Solution
Gate does not move.	No power; Motor disengaged; Remote/keypad not paired; Safety sensors obstructed.	Check power supply; Re-engage motor; Re-pair remote/keypad; Clear sensor path.
Gate stops unexpectedly.	Obstruction detected; Limit switch issue; Overheating.	Remove obstruction; Check limit switch position; Allow motor to cool.
Remote control/keypad not working.	Low battery; Out of range; Not paired.	Replace batteries (CR2032 for keypad); Move closer to gate; Re-pair device.
Flashing light not working.	Bulb failure (LEDs typically last long); Wiring issue.	Check wiring connections; Consult a technician if LED is faulty.

If problems persist, consult a qualified technician or contact SCS Sentinel customer support.

Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official SCS Sentinel website. Keep your proof of purchase for warranty claims.
SCS Sentinel Official Website: www.scs-sentinel.com

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