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Hormann RotaMatic 2 SK BiSecur

Hormann RotaMatic 2 SK BiSecur Swing Gate Operator Kit Instruction Manual

Model: RotaMatic 2 SK BiSecur | Manufacturer: Hormann

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Hormann RotaMatic 2 SK BiSecur Swing Gate Operator Kit. Please read this manual thoroughly before beginning any installation or operation procedures. Retain this manual for future reference. The Hormann RotaMatic 2 SK BiSecur is designed for automating swing gates with specific dimensions and weight limits. Adherence to these guidelines and all safety instructions is crucial for optimal performance and user safety.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Installation must be performed by qualified personnel in accordance with all local and national electrical and safety codes.
- Ensure the gate structure is in good working order and properly balanced before installing the operator.
- Disconnect power to the gate operator before performing any maintenance or service.
- Keep children and pets away from the gate area, especially during operation.
- Do not operate the gate if any part of the system is damaged or malfunctioning.
- Install all safety devices, such as photocells and warning lights, as specified in the detailed installation manual.
- Never attempt to repair the operator yourself. Contact qualified service personnel.

3. PACKAGE CONTENTS

The Hormann RotaMatic 2 SK BiSecur Swing Gate Operator Kit typically includes the following components. Please verify all items are present upon unboxing.



Figure 3.1: Overview of the Hormann RotaMatic 2 SK BiSecur Swing Gate Operator Kit components.

- Two (2) RotaMatic 2 Spindle Units with 24V DC Motors (IP 44 protection)
- One (1) Electronic Control Unit (Microprocessor-controlled, 24V DC, IP 65 protection) with integrated radio receiver
- One (1) Warning Light (e.g., EL301)
- Two (2) BiSecur Hand Transmitters (Remote Controls)
- Mounting Accessories and Fastening Material (brackets, screws, anchors, cable ties)
- Installation Manual (detailed version)
- Warranty Card



Figure 3.2: The two RotaMatic 2 spindle drive units.



Figure 3.3: Various accessories including remote controls, warning light, and cables.



Figure 3.4: The electronic control unit and an automatic gate warning sign.



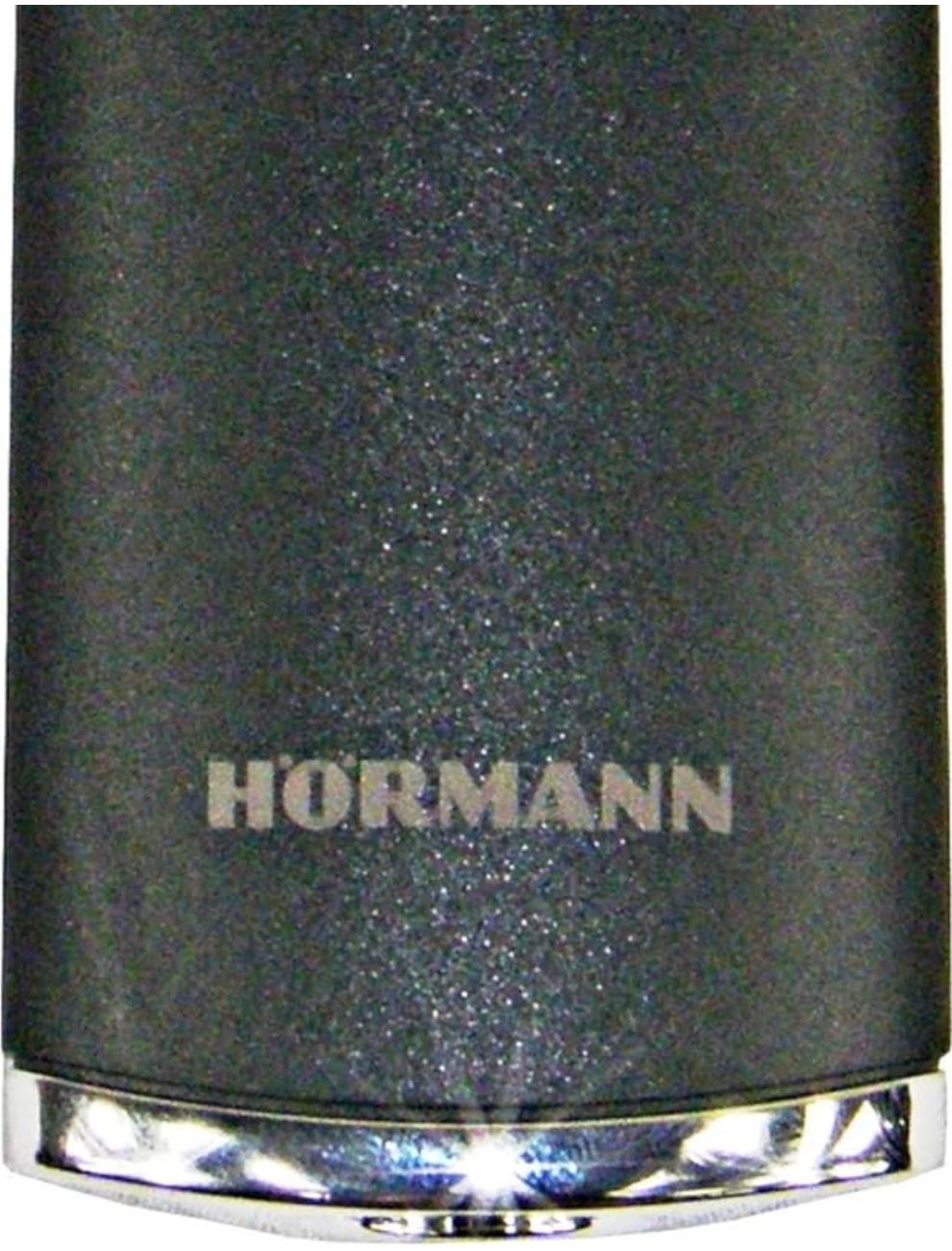


Figure 3.5: Mounting brackets and various fastening hardware.



Figure 3.6: A Hormann BiSecur hand transmitter (remote control).

4. SPECIFICATIONS

| Feature | Specification |
|--------------------------------|---|
| Model | RotaMatic 2 SK BiSecur |
| Manufacturer | Hormann |
| Gate Type | Swing Gate |
| Max. Gate Leaf Width | 2500 mm (2.5 meters) |
| Max. Gate Leaf Weight | 220 kg |
| Motor Type | 24V DC |
| Spindle Unit Protection Rating | IP 44 |
| Control Unit Protection Rating | IP 65 |
| Control Unit Features | Microprocessor control, 16 programmable DIL switches, integrated radio receiver |
| Product Dimensions (L x W x H) | 125 x 19 x 25 cm |

| Feature | Specification |
|------------------------|-------------------|
| Item Weight | 14 kg (30.86 lbs) |
| Assembly Required | Yes |
| Manufacturer Reference | 4512610 |
| UPC | 783854710348 |

5. SETUP AND INSTALLATION

Installation of the Hormann RotaMatic 2 SK BiSecur operator requires careful attention to detail and adherence to the comprehensive installation manual provided with the kit. The following is a general overview and not a substitute for the detailed instructions.

5.1 Pre-Installation Checks

- Verify the gate operates smoothly and freely by hand.
- Ensure the gate hinges are robust and in good condition.
- Confirm the gate dimensions and weight are within the operator's specifications (max. 2500mm width, max. 220kg weight per leaf).
- Plan the cable routing for power and control wires, ensuring they are protected from damage and moisture.

5.2 Mounting the Operators

1. Attach the mounting brackets securely to the gate posts and gate leaves according to the dimensions specified in the detailed manual. Precise positioning is critical for correct gate operation.
2. Mount the RotaMatic 2 spindle units onto the installed brackets.
3. Ensure the operators are level and aligned correctly with the gate's pivot points.

5.3 Electrical Connections

1. Install the electronic control unit in a protected location, ensuring its IP 65 rating is maintained.
2. Connect the 24V DC power supply to the control unit.
3. Wire the spindle units to the control unit as per the wiring diagram in the detailed manual.
4. Connect all safety devices (e.g., photocells, warning light) to the control unit.
5. Ensure all electrical connections are secure and insulated.

5.4 Programming and Commissioning

1. Power on the control unit.
2. Follow the programming steps in the detailed manual to set the gate's opening and closing limits, force settings, and any desired operational modes using the 16 DIL switches.
3. Program the BiSecur hand transmitters to the integrated radio receiver.
4. Perform several test cycles to ensure smooth operation and proper functioning of all safety features.

6. OPERATING INSTRUCTIONS

The Hormann RotaMatic 2 SK BiSecur gate operator is designed for user-friendly operation, primarily via the provided hand transmitters.

6.1 Using the Hand Transmitter



Figure 6.1: Hormann BiSecur hand transmitter.

- **Open/Close:** Press the programmed button on your hand transmitter once to initiate the gate's movement. If the gate is closed, it will open. If it is open, it will close. If it is in motion, it will stop.
- **Stop:** Pressing the button again while the gate is in motion will stop the gate.
- **Partial Opening (if programmed):** Some transmitters may have a button programmed for partial opening (e.g., for pedestrian access). Consult your detailed manual for specific programming.

6.2 Manual Release

In case of power failure or operator malfunction, the gate can be operated manually. Locate the manual release mechanism on each spindle unit (refer to the detailed manual for exact location and procedure). Engage the release to disengage the operator, allowing the gate to be opened or closed by hand. Remember to re-engage the operator once power is restored or the issue is resolved.

7. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Hormann RotaMatic 2 SK BiSecur gate operator. Perform these checks periodically.

- **Visual Inspection (Monthly):** Check the gate and operator for any signs of wear, damage, or corrosion. Ensure all mounting hardware is tight.
- **Gate Movement (Quarterly):** Manually operate the gate to ensure it moves freely without excessive

friction or binding. Lubricate hinges if necessary.

- **Safety Devices (Quarterly):** Test all safety devices, such as photocells and the warning light, to ensure they are functioning correctly.
- **Cleaning:** Keep the operator housing and photocell lenses clean and free from debris.
- **Professional Service (Annually):** It is recommended to have a qualified technician inspect and service your gate operator system annually.

CAUTION: Always disconnect power to the operator before performing any maintenance or cleaning.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your gate operator. For more complex problems, consult the detailed installation manual or contact customer support.

| Problem | Possible Cause | Solution |
|---|---|--|
| Gate does not respond to remote control. | <ul style="list-style-type: none">◦ No power to the operator.◦ Remote control battery is dead.◦ Remote control not programmed.◦ Obstruction in photocell path. | <ul style="list-style-type: none">◦ Check power supply and circuit breaker.◦ Replace remote control battery.◦ Reprogram remote control (refer to Section 5.4).◦ Clear any obstructions from photocells. |
| Gate stops unexpectedly during operation. | <ul style="list-style-type: none">◦ Obstruction detected by safety sensors.◦ Gate friction or mechanical issue.◦ Motor overheating. | <ul style="list-style-type: none">◦ Check and clear path of gate.◦ Inspect gate for binding or damage; lubricate hinges.◦ Allow motor to cool down. Reduce gate friction if possible. |
| Gate opens/closes partially. | <ul style="list-style-type: none">◦ Limit settings incorrect.◦ Obstruction. | <ul style="list-style-type: none">◦ Recalibrate limit settings (refer to detailed manual).◦ Check for and remove any obstructions. |

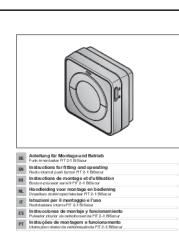
9. WARRANTY AND SUPPORT

The Hormann RotaMatic 2 SK BiSecur Swing Gate Operator Kit is manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact Hormann customer service directly.

In case of technical issues or if you require professional assistance, please contact your authorized Hormann dealer or the manufacturer's support line. Do not attempt to repair the unit yourself, as this may void your warranty and pose safety risks.

For further information, you may visit the official Hormann website or consult the comprehensive installation manual provided with your kit.

Related Documents - RotaMatic 2 SK BiSecur

| | |
|---|--|
|  | <p>MAX ARM & MAX ULTRA ARM Linear Gate Operators Installation and Owners Manual</p> <p>This comprehensive Installation and Owners Manual from Maximum Controls details the MAX ARM and MAX ULTRA ARM linear gate operators. It covers essential safety guidelines, UL 325 compliance, installation procedures, technical specifications, troubleshooting, and operational instructions for residential and commercial applications. Learn how to properly install and maintain your gate automation system.</p> |
|  | <p>Ubiquiti Gate Access Starter Kit Installation Guide</p> <p>Installation guide for the Ubiquiti Gate Access Starter Kit, providing an overview of gate closing functionalities and scenarios.</p> |
|  | <p>SUPERLIFT SSLG-2 800DC Sliding Gate Opener User Manual</p> <p>User manual for the SUPERLIFT SSLG-2 800DC Sliding Gate Opener, providing comprehensive guidance on installation, operation, maintenance, and troubleshooting for secure and efficient gate automation.</p> |
|  | <p>LiftMaster CSW200UL High-Traffic Commercial Swing Gate Operator Guide</p> <p>Detailed guide for the LiftMaster CSW200UL AC swing gate operator, designed for high-traffic commercial applications. Features include continuous duty motor, surge suppression, myQ technology, and advanced safety features.</p> |
|  | <p>LiftMaster RSL12UL Residential DC Vehicular Slide Gate Operator Installation Manual</p> <p>Comprehensive installation manual for the LiftMaster RSL12UL Residential DC Vehicular Slide Gate Operator. Covers installation procedures, safety guidelines, operator specifications, and compatibility with MyQ® and Security+ 2.0® accessories for secure residential gate automation.</p> |
|  | <p>Hormann FIT 2-1 BiSecur Radio Internal Push Button: Fitting and Operating Instructions</p> <p>Comprehensive guide for the Hormann FIT 2-1 BiSecur radio internal push button, covering installation, operation, safety, and technical specifications. Learn how to fit, connect, and use this device for your garage door or gate automation.</p> |