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› Hormann RotaMatic 2-1 Gate Operator Instruction Manual for 2-Leaf Swing Gates

Hormann RotaMatic 2-1

Hormann RotaMatic 2-1 Gate Operator Instruction Manual

Model: RotaMatic 2-1 | Brand: Hormann

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Hormann RotaMatic 2-1 gate operator. Designed for 2-leaf swing gates, the RotaMatic 2-1 offers reliable and efficient gate automation. Its modern and slim design integrates seamlessly with various driveway aesthetics.

The RotaMatic 2-1 allows for individual speed adjustment, ensuring smooth operation across different gate sizes. Please read these instructions carefully before proceeding with installation or operation to ensure safe and correct use of the product.



Figure 1: Hormann RotaMatic 2-1 Gate Operator. This image shows the main unit of the gate operator, featuring a long, silver-colored linear actuator connected to a darker, more compact motor housing.

2. SAFETY INSTRUCTIONS

- Ensure all installation and maintenance procedures are performed by qualified personnel.
- Disconnect power before any service or maintenance work.
- Keep hands and loose clothing away from moving parts of the gate operator.
- Do not allow children to play near the gate or with the gate controls.
- Install safety devices such as photocells to prevent accidental closure.
- Regularly inspect the gate and operator for signs of wear or damage.

3. SETUP AND INSTALLATION

The Hormann RotaMatic 2-1 is designed for 2-leaf swing gates. Proper installation is crucial for safe and reliable operation. This section outlines general steps; refer to the detailed installation diagrams provided with your product packaging for precise measurements and mounting instructions.

3.1 Pre-Installation Checks

- Verify gate dimensions and weight are within the operator's specifications (max. height 2000 mm, min-max leaf width 1000-2500 mm, max. leaf weight 220 kg).
- Ensure the gate hinges are in good working condition and the gate moves freely without obstruction.
- Confirm availability of a 230-240 V AC power supply at the installation site.

3.2 Mounting the Operator

1. Attach the mounting brackets to the gate post and gate leaf according to the provided template.
2. Securely mount the RotaMatic 2-1 operator to the brackets. Ensure correct alignment to prevent strain on the motor.
3. Connect the operator's spindle to the gate leaf attachment point.

3.3 Electrical Connection

- Connect the 24 V DC motor to the control unit.
- Connect the control unit to the 230-240 V AC mains power supply.
- Install any optional safety devices (e.g., photocells, warning lights) and connect them to the control unit as per their respective manuals. The control unit supports up to 2 connectable safety devices.
- Ensure all wiring is protected and complies with local electrical codes.

4. OPERATING INSTRUCTIONS

Once installed and powered, the RotaMatic 2-1 can be operated using the provided handheld transmitter or other compatible control devices.

4.1 Initial Setup and Programming

- **Learning Cycle:** Perform an initial learning cycle to teach the operator the gate's travel limits. Follow the instructions in the control unit manual for this procedure.
- **Speed Adjustment:** The RotaMatic 2-1 allows for individual speed adjustment. Refer to the control unit's display (dual 7-segment display) and programming buttons to set the desired opening and closing speeds.
- **Soft Start and Soft Stop:** The operator features soft start and soft stop functions for smooth and quiet gate movement, reducing wear on the system.
- **Force Limitation:** The integrated force limitation feature ensures the gate stops or reverses if it encounters an obstruction, enhancing safety.
- **Automatic Closing:** If desired, activate and adjust the automatic closing function via the control unit settings.

4.2 Daily Operation

- Press the designated button on your handheld transmitter to open or close the gate.

- A second press during movement will stop the gate.
- In case of power failure, refer to the control unit manual for instructions on how to manually disengage the operator and open the gate.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Hormann RotaMatic 2-1 gate operator. Perform these checks periodically:

- **Visual Inspection:** Check the gate and operator for any signs of wear, corrosion, or damage to cables, mounting points, and the housing.
- **Hinge and Roller Check:** Ensure gate hinges and any rollers move freely and are properly lubricated.
- **Safety Device Test:** Regularly test all connected safety devices (e.g., photocells) to ensure they are functioning correctly.
- **Cleaning:** Keep the operator housing clean from dirt, debris, and insects. The weather-resistant aluminum/fiberglass-reinforced plastic housing (IP 44) and separate control unit (IP 65) are designed for outdoor conditions.
- **Professional Service:** It is recommended to have the system inspected by a qualified technician at least once a year.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your RotaMatic 2-1 gate operator. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Gate does not respond to remote.	• Remote battery low/dead. • Remote out of range. • Power supply issue to operator. • Safety device activated.	• Replace remote battery. • Move closer to the gate. • Check power connection and circuit breaker. • Inspect safety devices (e.g., photocells) for obstructions or misalignment.
Gate stops unexpectedly during operation.	• Obstruction detected by force limitation. • Safety device activated. • Mechanical issue with gate movement.	• Remove any obstructions. • Check and clear safety devices. • Inspect gate hinges and movement for binding or damage.
Gate operates slowly or inconsistently.	• Incorrect speed setting. • Mechanical friction in gate. • Motor wear or damage.	• Adjust speed settings via the control unit. • Lubricate hinges; check for gate alignment. • Contact a qualified technician for inspection.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	RotaMatic 2-1
Suitable for	2-leaf swing gates
Max. Gate Height	2000 mm
Min.-Max. Leaf Width	1000-2500 mm
Max. Leaf Weight	220 kg
Door Cycles (per day/hour)	20/5
Motor Type	24 V DC
Mains Connection	230-240 V AC
Rated Force	440 N
Max. Pull/Push Force	2200 N
Max. Spindle Speed	Approx. 25 mm/s
Housing Material	Weather-resistant aluminum/fiberglass-reinforced plastic
Temperature Range	-20 °C to +60 °C
Protection Class (Operator)	IP 44
Protection Class (Control Unit)	IP 65
Control Features	Pulse control, Force limitation, Soft start/stop, Adjustable automatic closing, Dual 7-segment display
Connectable Safety Devices	2
Product Dimensions (L x W x H)	80.5 x 25 x 23.5 cm
Weight	15.62 kg
Manufacturer	Hormann
Model Number	4510963
Country of Origin	Germany

8. WARRANTY INFORMATION

Hormann products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your RotaMatic 2-1 gate operator, please refer to the warranty card included with your product packaging or contact Hormann customer support. Typically, warranty covers manufacturing defects under

normal use conditions for a specified period from the date of purchase.

9. SUPPORT AND CONTACT

Should you require further assistance, technical support, or have questions regarding your Hormann RotaMatic 2-1 gate operator, please contact Hormann customer service.

- **Email:** info@hoermann.de
- For additional support resources, please visit the official Hormann website.