

Hormann 4510253

Hormann SupraMatic E Series 4 4510253 Garage Door Opener Replacement Actuator Manual

1. PRODUCT OVERVIEW

The Hormann SupraMatic E Series 4 (model 4510253) is a replacement actuator designed for Hormann garage door operators. This unit serves as a direct replacement for defective operator heads, ensuring compatibility with existing Hormann drive rails and SupraMatic Series 4 systems. It integrates advanced features for reliable and efficient garage door operation.



Image showing the compact design of the Hormann SupraMatic E Series 4 replacement actuator, featuring its main housing and connection points.

2. KEY FEATURES

- **Compatibility:** Designed to replace older SupraMatic E Series 3 drive heads and compatible with SupraMatic (excluding SupraMatic S) and ProMatic 1st Generation systems.
- **Door Capacity:** Suitable for garage doors up to 5500 mm wide and a maximum surface area of 13.75 m².
- **Operating Force:** Provides a pulling and pushing force of 650 N, with a peak power of 800 N.
- **Speed:** Achieves a maximum operating speed of 25 cm/s.
- **Integrated Technology:** Features an integrated 5-channel BiSecur receiver, Bluetooth receiver, and an LED module for illumination.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present:

- 1 x SupraMatic E Series 4 replacement motor with integrated 5-channel BiSecur receiver, Bluetooth receiver, and LED module.
- 1 x BlueSecur card with QR code.

4. SETUP AND INSTALLATION

This section outlines the general procedure for replacing an existing Hormann garage door operator head. For detailed, model-specific instructions, refer to the comprehensive manual provided with your original Hormann system or consult the manufacturer's website.

1. **Safety First:** Disconnect power to the garage door opener at the circuit breaker before beginning any work. Ensure the garage door is in a stable, secure position.
2. **Dismount Old Operator Head:** Carefully remove the existing, defective operator head from its mounting brackets and drive rail. Note the connections and wiring for reference.
3. **Install New Operator Head:** Mount the new SupraMatic E Series 4 replacement actuator onto the existing drive rail and secure it using the appropriate hardware. Reconnect all necessary wiring according to the original system's configuration.
4. **Power Connection:** Reconnect power to the garage door opener.
5. **Learning Procedure:** Perform the initial learning procedure as described in the original system's manual to calibrate the new actuator to the garage door's travel limits.
6. **Program Transmitters:** Program any manual transmitters (remote controls) to the new actuator to restore full operation. Utilize the BlueSecur card and QR code for Bluetooth connectivity setup if desired.

Note: Professional installation is recommended if you are unfamiliar with electrical wiring or garage door mechanisms.

5. OPERATING INSTRUCTIONS

Once installed and configured, the SupraMatic E Series 4 operates similarly to other Hormann garage door openers. Use your programmed remote control or the integrated Bluetooth functionality via the BlueSecur app to open and close the garage door.

Operating Parameters:

- **Door Width (Max):** 5500 mm
- **Door Surface Area (Max):** 13.75 m²
- **Pulling/Pushing Force:** 650 N
- **Maximum Speed:** 25 cm/s
- **Operating Temperature:** -20 °C to +60 °C
- **Daily/Hourly Cycles (Open/Close):** 25/10
- **Motor:** 24 V DC
- **Power Supply:** 230-240 V AC
- **Power Consumption:** 0.2 kW
- **Standby Consumption:** <1 W
- **Protection Class:** Suitable only for dry areas.
- **Automatic Power Supply:** Yes, only in combination with a photocell.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your garage door opener. While the SupraMatic E Series 4 actuator itself requires minimal maintenance, it is crucial to maintain the entire garage door system.

- **Annual Inspection:** Have your garage door system, including springs, cables, rollers, and tracks, inspected by a qualified technician annually.
- **Lubrication:** Lubricate moving parts of the garage door (not the opener itself) as recommended by the garage door manufacturer.
- **Clean Sensors:** Keep safety sensors (photocells) clean and free from obstructions to ensure proper operation.
- **Check Fasteners:** Periodically check all mounting bolts and fasteners for tightness.

7. TROUBLESHOOTING

If you encounter issues with your SupraMatic E Series 4, consider the following general troubleshooting steps. For persistent problems, consult a qualified technician.

- **No Power:** Check the circuit breaker and ensure the opener is plugged into a working outlet.
- **Remote Not Working:** Verify battery in the remote. Ensure the remote is programmed correctly to the opener.
- **Door Not Closing:** Check safety sensors for obstructions or misalignment. The LED on the sensor should indicate proper alignment.

- **Unusual Noises:** Inspect the garage door's mechanical components (springs, rollers, tracks) for wear or damage. Lubricate as necessary.
- **Door Reverses:** This often indicates an obstruction or a misadjusted closing force. Clear any obstructions and refer to the original manual for force adjustment.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	Hormann
Model Number	4510253
Product Dimensions (L x W x H)	18.5 x 33.5 x 12.3 cm
Weight	3.49 kg
Material	Galvanized steel base plate, stainless steel, plastic
Quantity	1
Included Components	Replacement drive
Batteries Included	No
Batteries Required	No
Assembly Required	No
International Article Code	04005954164002

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hormann documentation included with your product or visit the official Hormann website. Keep your purchase receipt as proof of purchase for warranty claims.

Spare Parts Availability: Information regarding the availability of spare parts is currently unavailable. Please contact Hormann customer service for inquiries.