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Schellenberg 20615

Schellenberg 20615 Maxi Standard Tubular Motor for Roller Shutters, 15 Nm - Instruction Manual

Brand: Schellenberg | Model: 20615

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Schellenberg 20615 Maxi Standard Tubular Motor. Please read this manual thoroughly before beginning any procedures to ensure proper use and to prevent damage or injury.

Key Features:

- Suitable for light to extra-heavy roller shutters.
- Comes ready for installation with an adapter and wall bracket.
- Features an adapter with a large contact surface for optimal power transmission.
- Equipped with mechanical end point adjustment.
- Includes a rangefinder with colored screws (yellow and white) for easy adjustment.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions could result in electric shock, fire, and/or serious injury.

- Ensure the power supply is disconnected before installation, maintenance, or repair.
- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Do not allow children to play with the motor or controls.
- Keep hands and loose clothing clear of moving parts during operation.
- Do not operate the motor if any part is damaged or malfunctioning.
- This motor is designed for roller shutters. Do not use it for other purposes.
- The motor is rated IP44, providing protection against solid objects larger than 1mm and splashing water from any direction.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Schellenberg 20615 Maxi Standard Tubular Motor (15 Nm)
- Adapter for roller shutter shaft
- Wall bracket
- End stop adjustment tool (rangefinder with colored screws)
- Mounting hardware (screws, pins)
- Instruction Manual



Image 3.1: Complete package contents including the tubular motor, adapter, wall bracket, end stop adjustment tool, and mounting hardware.

4. TECHNICAL SPECIFICATIONS

Manufacturer	Alfred Schellenberg GmbH
Model Number	20615
Product Dimensions	58 x 10.5 x 7.5 cm
Item Weight	2.84 kg
Size/Torque	15 Nm Maxi
Style	STANDARD
Material	Plastic
Wattage	138 watt
Number of Items	1
Switch Type	1 way, Emergency switch

Electrical Socket Type	Wall mountable
Certification	IP44, installation safety standard
Batteries Included/Required	No



Image 4.1: Detailed view of the Schellenberg 20615 motor with key dimensions highlighted.

5. INSTALLATION

The Schellenberg 20615 motor is designed for easy integration into existing roller shutter systems with 60 mm octagonal shafts. Ensure all safety precautions are followed before proceeding.

5.1 Preparing the Roller Shutter

1. Disconnect power to the roller shutter system at the main circuit breaker.
2. Remove the existing roller shutter mechanism from the octagonal shaft.
3. Ensure the roller shutter box is clean and free of debris.

5.2 Installing the Tubular Motor

1. Attach the provided adapter to the motor head. The adapter ensures optimal power transmission to the roller shutter shaft.
2. Slide the tubular motor into the 60 mm octagonal shaft. Ensure it fits snugly.
3. Secure the motor and shaft assembly using the wall bracket and mounting hardware.
4. Connect the motor's electrical wires (brown, blue, black, green/yellow) to the appropriate power supply and control switch, following local electrical codes.



Image 5.1: Close-up view of the Schellenberg 20615 motor head, showing the wiring connections and adjustment screws.

Your browser does not support the video tag.

Video 5.1: Product Summary - This video provides an overview of the Schellenberg tubular motor and its features, demonstrating its application in roller shutter systems.

6. OPERATION

Once installed, the motor can be operated via a wall switch or a compatible remote control (sold separately).

6.1 Setting End Stops (Mechanical Adjustment)

The motor features mechanical end stop adjustment. Use the provided adjustment tool (rangefinder) to set the upper and lower limits of the roller shutter's travel.

1. Locate the two adjustment screws on the motor head (often colored yellow and white).
2. Use the adjustment tool to turn the screws. One screw controls the upper limit, the other controls the lower limit.
3. Operate the roller shutter up and down to test the limits. Adjust as necessary until the desired positions are reached. Turning the screw in one direction extends the travel, while turning it in the other shortens it.

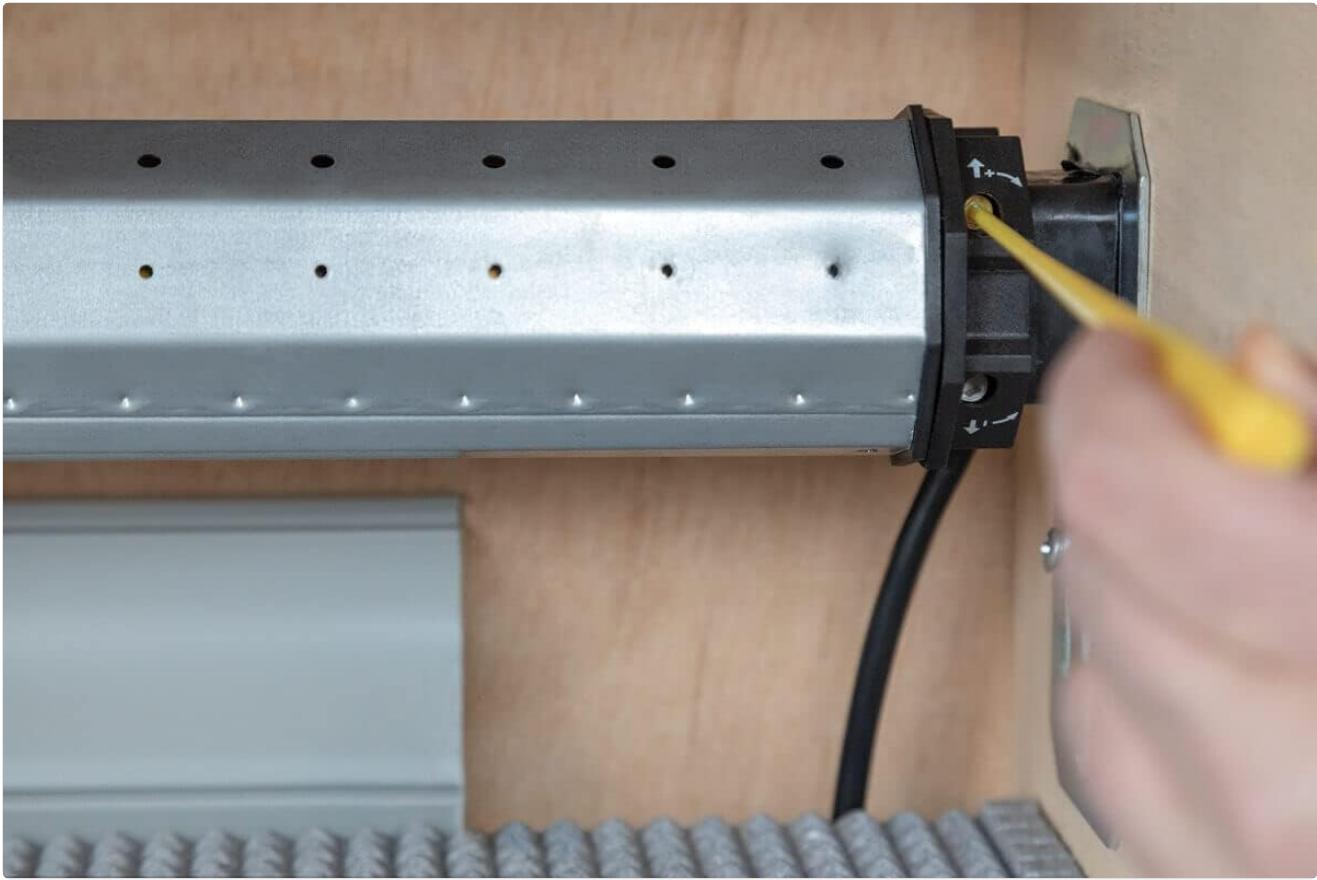


Image 6.1: A hand using the adjustment tool to set the mechanical end stops on the tubular motor. The screws are typically located on the motor head.

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Video 6.1: Motor End Stop Adjustment - This video demonstrates the process of mechanically adjusting the upper and lower end stops of the tubular motor for precise roller shutter positioning.

6.2 Using a Wall Switch

Press the "Up" button to raise the roller shutter and the "Down" button to lower it. Pressing the button again during movement will stop the shutter.



Image 6.2: A person operating a wall-mounted switch to control the roller shutter.

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Video 6.2: Roller Shutter Switch With RF Remote Control - This video illustrates how to operate a roller shutter using a wall switch, including integration with an RF remote control system.

7. MAINTENANCE

The Schellenberg tubular motor is designed for long-term, maintenance-free operation. However, periodic checks can help ensure its longevity and optimal performance.

- **Annual Inspection:** Annually inspect the roller shutter and motor for any signs of wear, damage, or loose connections.
- **Cleaning:** Keep the roller shutter and the area around the motor free from dust and debris. Do not use abrasive cleaners or solvents.
- **Lubrication:** The motor itself does not require lubrication. Ensure the roller shutter guides are clean and allow smooth movement.
- **Professional Service:** For any complex issues or repairs, contact a qualified service technician. Do not attempt to disassemble the motor.

8. TROUBLESHOOTING

If you encounter problems with your Schellenberg tubular motor, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Motor does not respond	No power supply; faulty switch/remote; motor overload protection activated.	Check power connection and circuit breaker. Test switch/remote. Allow motor to cool down if it has been continuously operated.
Roller shutter stops prematurely	Incorrectly set end stops; obstruction in the path.	Re-adjust end stops (refer to Section 6.1). Remove any obstructions.
Unusual noises during operation	Obstruction; worn components; motor malfunction.	Check for obstructions. If noise persists, contact a qualified technician.

9. WARRANTY AND SUPPORT

Schellenberg products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Schellenberg website.

For technical support, troubleshooting assistance, or spare parts, please contact Schellenberg customer service:

Manufacturer: Alfred Schellenberg GmbH

Address: An den Weiden 31, D-57078 Siegen, Germany

Customer Service: +49 (0)271/89056-444

Email: service@schellenberg.de

Website: www.schellenberg.de