

Corbin Russwin DC3210 A1 689 M54

Corbin Russwin DC3210 A1 689 M54 Door Closer Instruction Manual

Model: DC3210 A1 689 M54

1. INTRODUCTION

This manual provides detailed instructions for the installation, adjustment, maintenance, and troubleshooting of the Corbin Russwin DC3210 A1 689 M54 Door Closer. This door closer is designed for high-traffic environments, ensuring reliable closing for access control and compliance with fire safety and barrier-free codes. Please read all instructions carefully before proceeding with installation or adjustments.

Safety Information

- Always wear appropriate personal protective equipment (PPE) during installation.
- Ensure the door is properly supported and secured before beginning installation to prevent injury.
- Do not attempt to disassemble the door closer body, as it contains pressurized components.
- All adjustments should be made gradually to prevent damage to the door closer or door.

2. COMPONENTS

The Corbin Russwin DC3210 A1 689 M54 Door Closer typically includes the following main components:

- Door Closer Body
- Main Arm Assembly
- Forearm/Shoe Bracket
- Mounting Screws and Fasteners
- Cover (if applicable)
- Installation Template



Figure 2.1: The Corbin Russwin DC3210 A1 689 M54 Door Closer. This image shows the main body of the door closer, typically mounted on the door or frame, with its arm assembly.

3. INSTALLATION

Follow these general steps for installing the door closer. Always refer to the specific installation template provided with your unit for precise measurements and drilling locations.

1. **Prepare the Door and Frame:** Determine the mounting location (regular arm, top jamb, or parallel arm) based on door swing and clearance. Clean the mounting surfaces.
2. **Apply Template:** Securely tape the provided installation template to the door and/or frame. Ensure it is level and correctly positioned.
3. **Drill Pilot Holes:** Using the template as a guide, drill pilot holes for the closer body and arm shoe bracket. Use appropriate drill bits for the door and frame material.
4. **Mount Closer Body:** Attach the door closer body to the door or frame using the provided mounting screws. Do not overtighten.
5. **Assemble and Attach Arm:** Attach the main arm to the closer spindle. Then, attach the forearm/shoe bracket to the door frame (for regular or top jamb mount) or to the door (for parallel arm mount). Connect the main arm to the forearm.
6. **Check Operation:** Gently open and close the door to ensure smooth movement and proper engagement of the closer arm.

4. ADJUSTMENT

The DC3210 A1 689 M54 Door Closer features independent valves for precise control over closing speed, latching speed, and backcheck. Adjustments should be made in small increments.

- **Closing Speed (Main Speed Valve):** Controls the speed of the door from its fully open position to approximately 15 degrees from closed. Turn the valve clockwise to decrease speed (slower), counter-clockwise to increase speed

(faster).

- **Latching Speed (Latching Valve):** Controls the speed of the door for the final 10-15 degrees of closing. This ensures the door latches securely. Turn the valve clockwise to decrease speed, counter-clockwise to increase speed.
- **Backcheck (Backcheck Valve):** Provides hydraulic resistance when the door is opened beyond a certain point (typically 70-80 degrees), preventing the door from slamming into the wall or frame. Turn clockwise to increase backcheck resistance, counter-clockwise to decrease. *Note: Do not completely close this valve.*

After each adjustment, test the door's operation to ensure desired performance and compliance with accessibility standards (e.g., ADA).

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Corbin Russwin door closer.

- **Periodic Inspection:** Annually inspect all mounting screws and fasteners for tightness. Tighten any loose screws.
- **Check for Leaks:** Inspect the closer body for any signs of oil leakage. A leaking closer should be replaced.
- **Clean:** Wipe down the closer body and arm with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners.
- **Arm Assembly:** Ensure the arm assembly moves freely and is not bent or damaged.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Door closes too fast	Closing speed valve set too open (counter-clockwise)	Turn the main closing speed valve clockwise in small increments.
Door closes too slow	Closing speed valve set too closed (clockwise)	Turn the main closing speed valve counter-clockwise in small increments.
Door does not latch	Latching speed valve set too slow or incorrect arm assembly	Increase latching speed by turning the latching valve counter-clockwise. Check arm assembly for proper installation.
Door slams shut	Latching speed too fast	Decrease latching speed by turning the latching valve clockwise.
Door closer leaks oil	Internal seal failure	The door closer requires replacement. Contact customer support.

7. SPECIFICATIONS

Key specifications for the Corbin Russwin DC3210 A1 689 M54 Door Closer:

- **Model:** DC3210 A1 689 M54
- **Brand:** Corbin Russwin
- **Material:** Stainless Steel
- **Exterior Finish:** Aluminum
- **Color:** Silver

- **Installation Type:** Screw-In
- **Compliance:** ADA, UL
- **Recommended Uses:** Commercial buildings, fire-rated doors, high-traffic areas, new construction, renovation
- **GTIN/UPC:** 081227123574

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official Corbin Russwin website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Corbin Russwin Official Website: www.corbinrusswin.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question