

Hörmann HDC35-1

Hörmann HDC35-1 Overhead Door Closer Instruction Manual

Model: HDC35-1

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Hörmann HDC35-1 overhead door closer. The HDC35-1 is a high-quality door closing solution designed for reliable door closing in commercial, public, and private environments. It is engineered for mounting on the closing side (opposite hinge side) of the door, ensuring an optimal combination of functionality, safety, and comfort.

This door closer features an adjustable closing force ranging from EN 3 to EN 5, making it versatile for various door sizes and weights. It complies with the requirements of EN 1154, underscoring its quality and performance. Its robust construction ensures long service life and reliability, providing controlled closing speed for comfort and safety.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and use.
- Ensure that all components are present and undamaged before beginning installation.
- Installation should only be performed by qualified personnel using appropriate tools.
- Wear appropriate personal protective equipment (PPE) during installation, such as safety glasses and gloves.
- Do not modify the door closer or its components. Unauthorized modifications can compromise safety and void the warranty.
- Keep hands and fingers clear of moving parts during operation and adjustment.
- Regularly inspect the door closer for signs of wear or damage. Replace worn or damaged parts immediately.
- Ensure the door closer is securely fastened to the door and frame to prevent accidents.

3. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- Hörmann HDC35-1 Overhead Door Closer Unit
- Sliding Rail
- Lever
- Mounting Plate



Image 1: Hörmann HDC35-1 Overhead Door Closer components. This image shows the main door closer unit in silver, along with its associated sliding arm, ready for installation.

4. SPECIFICATIONS

Feature	Specification
Brand	Hörmann
Model Number	481109 (HDC35-1)
Material	Stainless steel or alloyed steel
Color	Silver
Exterior Finish	Silver
Product Dimensions (L x W x H)	58 cm x 8 cm x 5.5 cm (22.8 x 3.1 x 2.2 inches)
Item Weight	2.53 Kilograms (5.58 lbs)
Installation Type	Screw-in
Standard Met	EN 1154
Closing Force	Adjustable EN 3-5

Feature	Specification
Country of Origin	Singapore

5. SETUP (INSTALLATION)

The Hörmann HDC35-1 door closer is designed for overhead mounting on the closing side (opposite hinge side) of the door. Detailed installation templates are typically provided with the product packaging. Always refer to these templates for precise drilling locations.

General Installation Steps:

- 1. Prepare the Door and Frame:** Ensure the door and frame surfaces are clean, flat, and structurally sound. Mark the drilling points on the door and frame according to the provided template.
- 2. Install the Mounting Plate:** Secure the mounting plate to the door frame using appropriate screws. Ensure it is level and firmly attached.
- 3. Mount the Door Closer Body:** Attach the main door closer unit to the mounting plate. The unit should be positioned correctly for the closing side installation.
- 4. Install the Sliding Rail:** Secure the sliding rail to the door leaf. The rail should be parallel to the top edge of the door and aligned with the door closer unit.
- 5. Connect the Lever/Arm:** Connect the lever arm from the door closer unit to the sliding rail. Ensure all connections are tight and secure.
- 6. Initial Adjustment:** Perform initial adjustments for closing speed and latching action as described in the "Operating Instructions" section.
- 7. Test Operation:** Open and close the door several times to ensure smooth operation and proper closing. Make further adjustments as needed.

Note: For specific drilling patterns and detailed step-by-step instructions, always consult the physical installation template and guide included with your product.

6. OPERATING INSTRUCTIONS (ADJUSTMENT)

The Hörmann HDC35-1 door closer allows for adjustment of its closing force and speed to suit different door types and user preferences. The closing force is adjustable within the EN 3-5 range.

Adjusting Closing Force and Speed:

- The door closer typically features adjustment valves or screws located on the main body. These control the hydraulic fluid flow, thereby regulating the closing speed and latching speed.
- **Closing Speed (Sweep Speed):** This controls the speed at which the door closes from its fully open position until approximately 10-15 degrees from the frame. Turn the designated screw clockwise to decrease speed (slower closing) and counter-clockwise to increase speed (faster closing).
- **Latching Speed (Latching Action):** This controls the final closing speed, from approximately 10-15 degrees to the fully closed and latched position. Adjust this to ensure the door closes firmly into the latch without slamming. Turn the designated screw clockwise for slower latching and counter-clockwise for faster latching.
- **Backcheck (if applicable):** Some models may have a backcheck function, which provides resistance when the door is opened forcefully beyond a certain point, protecting the door and frame. Adjust this according to your needs.

Caution: Make small adjustments at a time (e.g., a quarter turn) and test the door's operation after each adjustment. Over-tightening adjustment screws can damage the hydraulic system.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Hörmann HDC35-1 door closer.

- **Periodic Inspection:** At least once every six months, inspect the door closer for any signs of wear, damage, or loose fasteners. Check the arm, sliding rail, and main body for cracks, bends, or leaks.
- **Tighten Fasteners:** Ensure all mounting screws and bolts are securely tightened. Loose fasteners can affect performance and safety.
- **Clean Components:** Wipe down the door closer and sliding rail with a soft, damp cloth to remove dust and grime. Avoid using abrasive cleaners or solvents.
- **Lubrication:** The internal components of the door closer are factory-lubricated and generally do not require additional lubrication. However, if the sliding rail or pivot points show signs of friction, a small amount of silicone-based lubricant can be applied. Avoid oil-based lubricants that can attract dust.
- **Functionality Check:** Periodically test the door closer's operation to ensure it closes smoothly and at the desired speed. Readjust if necessary.

8. TROUBLESHOOTING

If you encounter issues with your Hörmann HDC35-1 door closer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Door slams shut	Latching speed is too fast.	Decrease the latching speed by turning the corresponding adjustment screw clockwise in small increments.
Door closes too slowly	Closing speed is too slow.	Increase the closing speed by turning the corresponding adjustment screw counter-clockwise in small increments.
Door does not close completely	Insufficient closing force or latching speed too slow.	Increase latching speed. Check for obstructions or excessive friction in hinges. Ensure the door closer is rated for the door's weight.
Door closer leaks oil	Damaged seals or internal components.	Discontinue use immediately. Contact Hörmann customer support or a qualified technician for repair or replacement.
Door closer makes excessive noise	Loose fasteners, worn components, or improper adjustment.	Check and tighten all fasteners. Inspect for worn parts. Readjust closing and latching speeds.

If the problem persists after attempting these solutions, please contact Hörmann customer support or a certified technician.

9. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Hörmann HDC35-1 door closer, please

refer to the warranty documentation provided with your purchase or visit the official Hörmann website. For technical support, spare parts, or service inquiries, please contact your local Hörmann dealer or Hörmann customer service directly. When contacting support, please have your model number (HDC35-1) and purchase details readily available.