

## Richmat HJA35

# User Manual

## RICHMAT HJA35 ADJUSTABLE BED ACTUATOR REPLACEMENT

### 1. Introduction

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This manual provides essential information for the proper installation, operation, and maintenance of your Richmat HJA35 Adjustable Bed Actuator Replacement. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

The HJA35 actuator is designed as a direct replacement part for adjustable bed bases that utilize the Richmat HJA35 model. It is crucial to verify compatibility with your existing adjustable bed system before proceeding with installation.

### 2. Product Overview

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**Figure 2.1:** The Richmat HJA35 Adjustable Bed Actuator, showing its main body, linear rod, and attached cables.



**Figure 2.2:** Side view of the HJA35 actuator, illustrating its compact design and mounting points.



**Figure 2.3:** Close-up of the product label on the HJA35 actuator, displaying model number, voltage, current, stroke, max load, and duty cycle information.



**Figure 2.4:** Detailed view of the 2-pin power connector and 4-pin remote port connection for the HJA35 actuator.

## 2.1 Components

- **Actuator Body:** Contains the motor and gear mechanism.
- **Linear Rod:** Extends and retracts to provide linear motion.
- **Mounting Brackets:** For secure attachment to the bed frame.
- **Power Cable:** With a 2-pin connector for power supply.
- **Remote Port Cable:** With a 4-pin connector for remote control integration.

## 3. Setup and Installation

**Important:** Before beginning installation, ensure the adjustable bed is unplugged from the power source. Always verify that the replacement actuator matches the specifications and connector types of your original actuator.

### 3.1 Pre-Installation Checks

1. Confirm the model number on your existing actuator is HJA35.
2. Verify that your bed's power supply and remote control connections are compatible with the 2-pin power connector and 4-pin remote port of the new actuator.
3. Ensure the bed frame is stable and clear of obstructions.

### 3.2 Installation Steps

1. **Disconnect Power:** Unplug the adjustable bed from the wall outlet.
2. **Remove Old Actuator:** Carefully detach the old actuator from its mounting points on the bed frame. Disconnect its power and remote cables.
3. **Mount New Actuator:** Position the new HJA35 actuator in the same location as the old one. Securely attach it using the existing mounting hardware. Ensure all connections are firm and stable.
4. **Connect Cables:** Connect the 2-pin power cable from the actuator to the bed's power supply. Connect the 4-pin remote port cable to the bed's remote control system. Ensure connectors are fully seated.
5. **Cable Management:** Route cables neatly to prevent pinching or entanglement during bed operation.
6. **Test Functionality:** Plug the adjustable bed back into the power outlet. Test all functions of the bed (head up/down, foot up/down) using the remote control to ensure the actuator operates smoothly and correctly.

## 4. Operating Instructions

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The Richmat HJA35 actuator functions as a component within your adjustable bed system. Its operation is controlled directly by the bed's remote control unit.

### 4.1 Basic Operation

- Use the designated buttons on your adjustable bed's remote control to extend or retract the actuator, thereby adjusting the position of the bed sections (e.g., head or foot).
- The actuator will move the bed section until the button is released or the maximum/minimum extension limit is reached.

### 4.2 Duty Cycle

The HJA35 actuator has a duty cycle of **10%, Max. 2min ON/18min OFF**. This means the actuator can operate continuously for a maximum of 2 minutes, after which it requires an 18-minute rest period to prevent overheating and ensure longevity. Adhering to this duty cycle is critical for the actuator's performance and lifespan.

## 5. Maintenance

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Regular maintenance helps ensure the longevity and optimal performance of your Richmat HJA35 actuator.

### 5.1 Cleaning

- Periodically wipe down the exterior of the actuator with a dry, soft cloth to remove dust and debris.
- Do not use liquid cleaners or solvents, as these can damage internal components.

### 5.2 Inspection

- Regularly inspect the power cable and remote port cable for any signs of wear, fraying, or damage.
- Check the mounting points to ensure the actuator remains securely fastened to the bed frame.
- Listen for any unusual noises during operation, which could indicate an issue.

**Note:** The actuator is not designed to be opened or serviced by unauthorized personnel. Attempting to open the unit will void any warranty and may result in damage or injury.

## 6. Troubleshooting

If you encounter issues with your Richmat HJA35 actuator, refer to the following common troubleshooting steps.

### 6.1 Actuator Not Responding

- **Check Power:** Ensure the adjustable bed is securely plugged into a working electrical outlet.
- **Check Connections:** Verify that the 2-pin power connector and 4-pin remote port connector are fully and securely seated in their respective ports.
- **Remote Control:** Ensure the remote control has working batteries and is functioning correctly. Try re-pairing the remote if applicable to your bed model.
- **Overheat Protection:** If the actuator has been used continuously, it may have entered its thermal protection mode. Allow it to cool down for at least 18 minutes before attempting operation again.

### 6.2 Actuator Makes Unusual Noises

- **Obstructions:** Check for any objects or debris that might be obstructing the movement of the bed mechanism or the actuator itself.
- **Mounting:** Ensure the actuator is securely mounted and not loose, which could cause rattling.

If the issue persists after performing these checks, contact customer support for further assistance.

## 7. Specifications

Specification	Value
Model Number	HJA35
Rated Voltage	DC 24V
Max Current	3A Max.
Ingress Protection (IP) Rating	IP20
Stroke/Install	124/304mm
Max. Load	Push 6000N
Duty Cycle	10%, Max. 2min ON/18min OFF
Power Connector	2-pin
Remote Port	4-pin

## 8. Warranty Information

This Richmat HJA35 Adjustable Bed Actuator Replacement is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, neglect, unauthorized repairs, or failure to adhere to the specified duty cycle. Attempting to open the actuator will void the warranty.

## 9. Customer Support







For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller or manufacturer directly. When contacting support, please have your product model number (HJA35) and proof of purchase readily available.

**Seller:** Irvine Home Collection USA

Refer to your purchase documentation for specific contact details or visit the seller's page on the platform where you purchased the product.

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### Related Documents - HJA35

 Product function manual  	<a href="#">Richmat HJH159 Ble Smart Home System: Product Function Manual</a> Comprehensive guide to the Richmat HJH159 Ble smart home adjustable bed system, detailing remote control functions, system configuration, component list, pairing, and operational instructions. Includes FCC compliance information.
 Product function manual  	<a href="#">Richmat HJH159B Ble Smart Home Product Function Manual</a> Comprehensive product function manual for the Richmat HJH159B Ble smart home device, detailing remote control operations, system configuration, parts list, and FCC compliance information.
	<a href="#">System User Manual for ZP199900002 (C66S) Actuator System</a> Comprehensive user manual for the ZP199900002 (C66S) actuator system by Qingdao Richmat Intelligence Technology Inc. This guide details system components, product list, remote control functions, special features like mutual learning and dislearning, control box operations, and FCC compliance information. It is designed for users of adjustable bed systems or similar applications.
	<a href="#">HJSR96 Ble Remote Control: Functions and Operation Guide</a> Comprehensive guide to the HJSR96 Ble remote control, detailing functions for adjustable beds, including button descriptions, coding methods, Bluetooth pairing, and FCC compliance information from Qingdao Richmat Intelligence Technology Inc.



<div data-bbox="132 109 204 125" data-label="Image"></div> <div data-bbox="132 136 169 154" data-label="Caption"><p>Control box HJC18 Ble</p></div> <div data-bbox="167 185 260 264" data-label="Image"></div> <div data-bbox="119 351 124 360" data-label="Page-Footer"><p>15</p></div>	<div data-bbox="343 154 1075 185" data-label="Section-Header"><p><a href="#">Richmat HJC18 Ble Control Box User Manual and Specifications</a></p></div> <div data-bbox="343 197 1469 304" data-label="Text"><p>Detailed information on the Richmat HJC18 Ble control box, including features, dimensions, system configuration, and remote control functions. This document provides a comprehensive overview for users and technicians.</p></div>
<div data-bbox="127 421 256 450" data-label="Section-Header"><p>OWNER'S MANUAL Original instruction manual</p></div> <div data-bbox="129 490 301 602" data-label="Image"></div> <div data-bbox="137 665 290 674" data-label="Page-Footer"><p>Please read the manual carefully and keep it safe for future maintenance</p></div>	<div data-bbox="343 490 1118 521" data-label="Section-Header"><p><a href="#">Richmat Adjustable Bed Frame Owner's Manual &amp; Installation Guide</a></p></div> <div data-bbox="343 533 1469 600" data-label="Text"><p>Comprehensive owner's manual and installation guide for the Richmat adjustable bed frame. Learn how to assemble, operate, and maintain your bed for optimal comfort and safety.</p></div>