

Richmat HJA63

Richmat HJA63 Actuator Replacement for Adjustable Bed Bases (Head Section)

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Richmat HJA63 Actuator. This actuator is designed as a replacement component for adjustable bed bases, specifically for the head section. Please read this manual thoroughly before proceeding with any installation or operation.

2. SAFETY INFORMATION

- Always disconnect power to the adjustable bed base before attempting any installation, removal, or maintenance of the actuator.
- Ensure all connections are secure and correctly aligned to prevent electrical hazards or malfunction.
- Do not attempt to open or repair the actuator casing. Refer servicing to qualified personnel.
- Keep hands and loose clothing clear of moving parts during operation.
- Verify that the replacement actuator specifications match the original actuator to ensure compatibility and safe operation.

3. PRODUCT OVERVIEW

The Richmat HJA63 Actuator is a linear motor designed to provide the necessary movement for the head section of an adjustable bed base. It features a robust design for reliable performance.

Key Features:

- Model: HJA63
- Connector Type: 8-Pin
- Stroke: 110/320mm
- Maximum Load: 6000N

- Duty Cycle: 10%, Max. 2min ON/18min OFF



Figure 1: Richmat HJA63 Actuator showing the main body and the 8-pin connector.

Figure 1 illustrates the complete Richmat HJA63 Actuator, highlighting its overall structure and the critical 8-pin connector. This connector is essential for power and control signal transmission to the adjustable bed base system.



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Item No.: HJA63 HALL 132080A630358
Rated Voltage: DC 24V, 3.5A Max. IP20
Stroke/Instal: 110/320mm
Max. Load: push 6000N
Duty Cycle: 10%, Max. 2min ON/18min OFF
NOT TO BE OPENED BY UNAUTHORIZED PERSON
OUVERTURE INTERDITE À TOUTE PERSONNE NON AUTORISÉE

 RoHS   RECOGNIZED COMPONENT 

 SN63A230707300  Intertek 5006684  US Conforms to UL Std. 952 Certified to CSA Standard C22.2 No. 68

Figure 2: Close-up view of the Richmat HJA63 Actuator product label.

Figure 2 provides a detailed view of the product label on the HJA63 Actuator. This label contains important specifications such as the model number, rated voltage (DC 24V, 3.5A), IP rating (IP20), stroke length, maximum load capacity (6000N), and duty cycle. Always refer to this label for specific product details.

4. SETUP AND INSTALLATION

Before beginning installation, ensure you have the necessary tools (e.g., wrenches, screwdrivers) and that the adjustable bed base is unplugged from the power outlet.

Pre-Installation Check:

- **Verify Connector Type:** Confirm that your existing bed base wiring uses an 8-pin connector. This actuator is only compatible with 8-pin systems.
- **Match Specifications:** Compare the specifications of the new HJA63 actuator with your original actuator to ensure compatibility in terms of stroke length, load capacity, and voltage.

Installation Steps:

1. **Disconnect Power:** Unplug the adjustable bed base from the wall outlet.
2. **Locate Existing Actuator:** Identify the actuator responsible for the head section movement.
3. **Remove Old Actuator:** Carefully detach the old actuator from its mounting points on the bed frame. This typically involves removing bolts or pins. Disconnect the 8-pin power/control cable.
4. **Install New Actuator:** Position the Richmat HJA63 actuator in the same location as the old one. Secure it using the appropriate bolts or pins. Ensure it is firmly attached and aligned correctly.
5. **Connect Wiring:** Plug the 8-pin connector of the new HJA63 actuator into the corresponding port on the bed base control box. Ensure the connection is snug and fully seated.
6. **Test Functionality:** Once the actuator is securely installed and connected, plug the bed base back into the power outlet. Use the bed's remote control to test the head section's up and down movement. Observe for smooth operation and listen for any unusual noises.

5. OPERATING INSTRUCTIONS

The Richmat HJA63 Actuator operates in conjunction with your adjustable bed base's existing control system. Once installed, its operation is integrated with the bed's remote control or wired control panel.

- Use the designated buttons on your bed's remote control (typically labeled 'Head Up' and 'Head Down') to adjust the position of the head section.
- The actuator will extend or retract, moving the head section to your desired angle. Release the button to stop movement.
- Avoid continuous operation beyond the specified duty cycle (Max. 2 minutes ON, then 18 minutes OFF) to prevent overheating and prolong the actuator's lifespan.

6. MAINTENANCE

The Richmat HJA63 Actuator is designed for minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Cleaning:** Keep the actuator free from dust and debris. Wipe the exterior with a dry or slightly damp

cloth. Do not use harsh chemicals or abrasive cleaners.

- **Connection Check:** Periodically inspect the 8-pin connector and other wiring for any signs of wear, damage, or loose connections.
- **Mounting Points:** Ensure that all mounting bolts or pins remain tight and secure.
- **Lubrication:** The internal components are pre-lubricated and generally do not require additional lubrication. Do not apply lubricants to the exposed shaft unless specifically instructed by the manufacturer.

7. TROUBLESHOOTING

If you encounter issues with your Richmat HJA63 Actuator, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Actuator does not move.	No power to bed base. Loose or disconnected 8-pin cable. Remote control battery low or faulty. Actuator motor failure.	Check if bed base is plugged in and power outlet is functional. Ensure 8-pin connector is fully seated. Replace remote control batteries. Contact seller for support if motor failure is suspected.
Actuator moves slowly or with difficulty.	Overload on the bed section. Obstruction in the bed mechanism. Actuator nearing end of life.	Reduce weight on the head section. Inspect for any objects obstructing movement. Contact seller for support.
Unusual noises during operation.	Loose mounting hardware. Internal mechanical issue.	Check and tighten all mounting bolts/pins. Discontinue use and contact seller for support.

8. SPECIFICATIONS

- **Model Number:** HJA63
- **Brand:** Richmat
- **Rated Voltage:** DC 24V, 3.5A
- **IP Rating:** IP20
- **Stroke Length:** 110/320mm
- **Maximum Load:** 6000N
- **Duty Cycle:** 10%, Max. 2 minutes ON / 18 minutes OFF
- **Connector Type:** 8-Pin

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Richmat HJA63 Actuator, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty terms typically

cover manufacturing defects for a specified period.

If you require technical assistance, troubleshooting beyond this manual, or need to inquire about replacement parts, please contact the retailer or manufacturer's customer support. Have your product model number (HJA63) and purchase details ready when contacting support.