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› **Richmat HJA1S Actuator Motor User Manual**

Richmat HJA1S

Richmat HJA1S Actuator Motor User Manual

For Adjustable Electric Bed Frames and Electric Hospital Beds

INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your Richmat HJA1S Actuator Motor. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: Richmat HJA1S Actuator Motor, showing the main unit, wired remote control, and power cord.

SAFETY INFORMATION

- Always disconnect power before performing any maintenance or installation procedures.
- Ensure all connections are secure and correctly wired to prevent electrical hazards.
- Do not attempt to open or repair the motor unit. Refer to qualified service personnel for repairs. The product label explicitly states: **"NOT TO BE OPENED BY UNAUTHORIZED PERSON"**.
- Keep hands and loose clothing clear of moving parts during operation.
- This motor is designed for adjustable bed frames and hospital beds. Do not use for unintended applications.



Figure 2: Product label displaying model number, input voltage, stroke, max load, duty cycle, and safety warnings.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Richmat HJA1S Actuator Motor
- 1 x Wired Remote Control
- 1 x Power Cord

SETUP AND INSTALLATION

This actuator motor is designed for easy replacement in compatible adjustable bed frames. Ensure the bed frame is unplugged from the power outlet before beginning installation.

1. **Compatibility Check:** Before installation, verify that the center distance between the two mounting bars on your old motor is

approximately 581 mm (± 2 mm). This motor is a replacement for OKIMAT 2, DEWERT OKIN LIMOSSI, and similar dual actuator motors.

2. **Remove Old Motor:** Carefully disconnect the old motor from the bed frame and unplug any electrical connections.
3. **Position New Motor:** Align the new Richmat HJA1S motor with the mounting points on your bed frame.
4. **Secure Motor:** Secure the motor to the bed frame using appropriate fasteners (not included, typically reused from the old motor or provided with the bed frame). Ensure it is firmly attached and stable.
5. **Connect Remote Control:** Plug the wired remote control into the designated port on the actuator motor.
6. **Connect Power:** Plug the power cord into the motor, then plug the other end into a standard 110V power outlet.

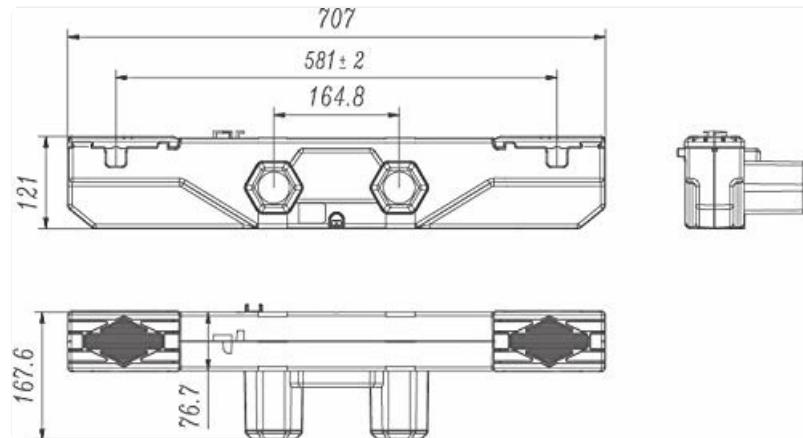


Figure 3: Dimensional drawing indicating the 581mm center distance between mounting points, crucial for compatibility.



Figure 4: The wired remote control used to operate the bed's adjustable functions.



Figure 5: The standard 2-prong power plug for connecting the motor to an electrical outlet.

OPERATING INSTRUCTIONS

The Richmat HJA1S actuator motor provides functional back and foot rise and fall adjustments for your bed frame. It does not

control the overall height of the bed or provide massage functions.

- **Remote Control:** Use the wired remote control to adjust the bed's positions. The remote typically has buttons for:
 - Head Up / Head Down
 - Foot Up / Foot Down
- **Operation:** Press and hold the desired button on the remote control to move the corresponding section of the bed. Release the button to stop movement.
- **Duty Cycle:** The motor has a duty cycle of 10% max, meaning it can operate for 2 minutes continuously, followed by 18 minutes of rest. This prevents overheating and prolongs motor life. Avoid continuous operation beyond the recommended duty cycle.

MAINTENANCE

The Richmat HJA1S actuator motor requires minimal maintenance. Following these guidelines will help ensure its longevity:

- **Cleaning:** Wipe the exterior of the motor and remote control with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the motor housing or remote.
- **Cable Inspection:** Periodically inspect the power cord and remote control cable for any signs of damage, fraying, or kinks. Replace if damage is found.
- **Mounting Check:** Occasionally check that the motor remains securely mounted to the bed frame. Tighten any loose fasteners.
- **Avoid Overloading:** Do not exceed the maximum load capacity of the motor (6500N x 2).

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Motor does not respond to remote.	No power, loose connection, faulty remote.	<ol style="list-style-type: none">1. Check if the power cord is securely plugged into the wall outlet and the motor.2. Ensure the remote control cable is firmly connected to the motor.3. Test the outlet with another device.
Motor operates intermittently.	Overheating (duty cycle exceeded), loose wiring.	<ol style="list-style-type: none">1. Allow the motor to cool down for at least 18 minutes if it has been running continuously.2. Check all wiring connections for looseness.
Unusual noise during operation.	Obstruction, worn parts, improper installation.	<ol style="list-style-type: none">1. Inspect for any obstructions preventing smooth movement.2. Ensure the motor is securely mounted and not rubbing against the bed frame.3. If noise persists, contact customer support.

If the problem persists after attempting these solutions, please contact Richmat customer support.

SPECIFICATIONS

Feature	Detail

Model Name	HJA1S
Item Model Number	hja1
Brand	Richmat
Input Voltage	AC 100V-240V~50/60Hz
Max. Load	2 x 6500N
Stroke (Head)	87mm
Stroke (Foot)	69mm
Duty Cycle	10% max, 2mins/18mins
Item Weight	5 Kilograms (11.02 Pounds)
Horsepower	50 Watts
Package Dimensions	29.37 x 7.87 x 6.42 inches

WARRANTY INFORMATION

The Richmat HJA1S Actuator Motor comes with a **one-year warranty** against non-human damage. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or failure to follow the instructions in this manual.

Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, warranty claims, or general inquiries, please contact Richmat customer support through the retailer where the product was purchased or refer to the manufacturer's official website for contact details.

For more information, you may visit the [product page on Amazon](#).