

Fromann JLDQ-14

Fromann JLDQ-14 Motor Actuator User Manual

Model: JLDQ-14 | Part: JLDQ.14.B.190.33B

1. INTRODUCTION

This user manual provides essential information for the installation, operation, maintenance, and troubleshooting of your Fromann JLDQ-14 Part JLDQ.14.B.190.33B Motor Actuator. This motor actuator is designed as a replacement part for power recliners, sofa lift chairs, and similar applications, ensuring smooth and reliable motion. Please read this manual thoroughly before use to ensure proper function and safety.

2. SAFETY INFORMATION

Important Safety Warnings:

- Exceeding the maximum weight limit of the furniture may cause damage to the motor or lead to injury. Always refer to your furniture's weight capacity.
- Always ensure the recliner or furniture is on a stable, level surface before and during operation.
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all connections are secure and correct to prevent electrical hazards.
- Keep hands and loose clothing clear of moving parts during operation.
- This motor is designed for DC power circuits only. Connection to other circuit types may cause damage.

3. PRODUCT OVERVIEW

The Fromann JLDQ-14 Motor Actuator is a robust DC motor designed for linear motion applications in furniture. It provides the necessary power to adjust the position of recliners, lift chairs, and similar items, offering smooth and controlled movement.

Key Features:

- Refined Power Recliner Motor Actuator Model JLDQ-14 Part JLDQ.14.B.190.33B.
- Stroke: 33 mm (1.29 inches).
- Minimum installation dimension (shrink): 190 mm (7.47 inches).
- Maximum installation dimension (stretch): 223 mm (8.77 inches).
- Designed for electric sofas, massage chairs, and similar applications.
- DC motor replacement with small mounting dimensions for easy installation.

Components Included:

- 1 x Fromann JLDQ-14 Motor Actuator



Figure 3.1: The Fromann JLDQ-14 Motor Actuator. This image shows the complete motor actuator unit with its coiled power cable and connector.




Figure 3.2: Motor Actuator with key dimensions. This image highlights the minimum installation size of 7.48 inches and a stroke length of 1.29 inches.

MODEL:JLDQ-14

JLDQ.14.B.190.33B



24 - 29V  50W



Duty cycle:1min ON/8min OFF

Connection only to class 2 DC circuit



Prod.Date: 18/24

Serial-No.: Q240409126 01295



Figure 3.3: Close-up view of the product label. The label displays model information (MODEL: JLDQ-14, JLDQ.14.B.190.33B), power specifications (24-29V, 50W), duty cycle (1min ON/8min OFF), connection type (Class 2 DC circuit), production date (18/24), and serial number (Q240409126 01295).



Figure 3.4: Close-up view of the motor actuator's power connector. This image shows the black, two-pin connector at the end of the coiled cable, designed for easy and secure attachment to the power supply.

4. SPECIFICATIONS

Attribute	Detail
Brand	Fromann
Model Name	JLDQ-14
Part Number	JLDQ.14.B.190.33B
Color	Black
Product Dimensions	8.66"D x 2.09"W x 1.97"H
Frame Material	Metal
Item Weight	3 pounds
Stroke	33 mm (1.29 inches)
Min Install Dimension (Shrink)	190 mm (7.47 inches)
Max Install Dimension (Stretch)	223 mm (8.77 inches)
Recommended Uses	Relaxing (for recliners/lift chairs)
Included Components	Motor
Country of Origin	China
Date First Available	May 20, 2024

5. SETUP AND INSTALLATION

Installation of the Fromann JLDQ-14 Motor Actuator typically involves replacing an existing motor in a power recliner or lift chair. It is recommended to consult the specific furniture's assembly instructions for detailed steps, as procedures may vary.

General Installation Steps:

- Safety First:** Disconnect the furniture from its power source before beginning any work.
- Access the Motor:** Carefully turn the furniture over or access the underside to locate the existing motor actuator.
- Disconnect Old Motor:** Unplug the power cable and detach the old motor from its mounting points. Note how it was connected for reference.
- Verify Dimensions:** Compare the dimensions of the new Fromann JLDQ-14 motor with the old one to ensure compatibility. Pay close attention to the stroke and installation dimensions.
- Mount New Motor:** Securely attach the new Fromann JLDQ-14 motor actuator to the furniture's frame using the appropriate mounting hardware. Ensure it is firmly in place and aligned correctly.
- Connect Power:** Plug the motor's power cable into the corresponding port on the furniture's control system or power supply. Ensure the connection is snug.
- Test Functionality:** Carefully return the furniture to its upright position. Reconnect power and test the motor's operation using the furniture's controls. Observe for smooth movement and proper extension/retraction.

If you encounter difficulties, refer to the troubleshooting section or seek professional assistance.

6. OPERATION

The Frommann JLDQ-14 Motor Actuator operates in conjunction with your furniture's existing control system (e.g., hand remote, integrated buttons). Once installed and connected to power, the motor will respond to commands from these controls to adjust the furniture's position.

Operating Instructions:

- Ensure the furniture is plugged into a functional power outlet.
- Use the designated buttons on your recliner's remote or control panel to extend or retract the motor actuator.
- Apply gentle and consistent pressure to the buttons for smooth movement. Release the button to stop the motion at the desired position.
- Avoid continuous operation for extended periods. The motor has a duty cycle of 1 minute ON / 8 minutes OFF to prevent overheating. Allow the motor to rest if it has been in continuous use.



Figure 6.1: Example of a power recliner in use. The motor actuator enables the smooth reclining motion for user comfort.

7. MAINTENANCE

The Frommann JLDQ-14 Motor Actuator is designed for low maintenance. Regular care will help ensure its longevity and optimal performance.

- **Cleaning:** Wipe clean the exterior of the motor with a dry or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the motor and its connections for any signs of wear, damage, or loose wiring. Ensure all mounting bolts are secure.
- **Lubrication:** The motor actuator is pre-lubricated and generally does not require additional lubrication. If unusual noises or stiffness occur, consult a qualified technician.

8. TROUBLESHOOTING

If your Fromann JLDQ-14 Motor Actuator is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Motor does not operate	No power supply Loose connection Faulty switch/remote Overheating protection activated	Check if the furniture is plugged in and the outlet is working. Ensure all cables are securely connected. Test the switch or remote control. If possible, try a known working one. Allow the motor to cool down for at least 8 minutes if it was recently used continuously.
Motor operates slowly or weakly	Low voltage Overload Mechanical obstruction	Verify power supply voltage. Ensure the furniture is not exceeding its weight limit. Check for any objects obstructing the motor's movement path.
Unusual noises during operation	Loose mounting Internal wear	Check and tighten all mounting bolts. If noises persist, contact customer support.

Before ordering a new motor: Always check the label on your existing motor for the exact model and part number. Also, troubleshoot the switch/remote or power supply to rule out issues with those components.

9. WARRANTY AND SUPPORT

Fromann is committed to providing high-quality products. For information regarding warranty coverage, technical support, or replacement parts, please contact Fromann customer service through the retailer where you purchased the product or visit the official Fromann website.

Please have your product model number (JLDQ-14) and serial number (if available on your unit, e.g., Q240409126 01295) ready when contacting support.