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## Instruction Manual for Okin JLDQ-10 Recliner Motor Actuator

Model: JLDQ.10.435.250D

Brand: Okin

### PRODUCT OVERVIEW

The Okin JLDQ-10 Part Model JLDQ.10.435.250D Motor Actuator is a replacement component designed for power recliners, electric sofas, and massage chairs. This low-voltage DC motor (24V) provides the necessary push and pull force for the smooth operation of your furniture's reclining mechanism. It features compact dimensions for easy installation and is built for reliable performance.



Figure 1: Okin JLDQ-10 Recliner Motor Actuator. This image shows the complete motor actuator unit with its main body, extending rod, and electrical connectors.

## SPECIFICATIONS

Feature	Detail
Model Number	JLDQ.10.435.250D
Motor Type	Low-voltage DC motor (24V)
Appearance	Black (PA), Silver White (Aluminum)
Operation Frequency	On 1 min / Off 8 min
Stroke	250 mm (9.84 inches)
Minimum Installation Dimension (Shrink)	435 mm (17.13 inches)

Feature	Detail
Maximum Installation Dimension (Stretch)	685 mm
Push Force	1000N
Pull Force	1000N
Material	Plastic (housing)
Item Weight	5.24 Pounds
Package Dimensions	18.5 x 8.1 x 5 inches

**Tips:**Different motor is not compatible as recliner motor are highly demand of stroke



Figure 2: Dimensional specifications of the JLDQ-10 motor actuator. This diagram illustrates the minimum installation size (435mm) and the stroke length (250mm), crucial for compatibility.

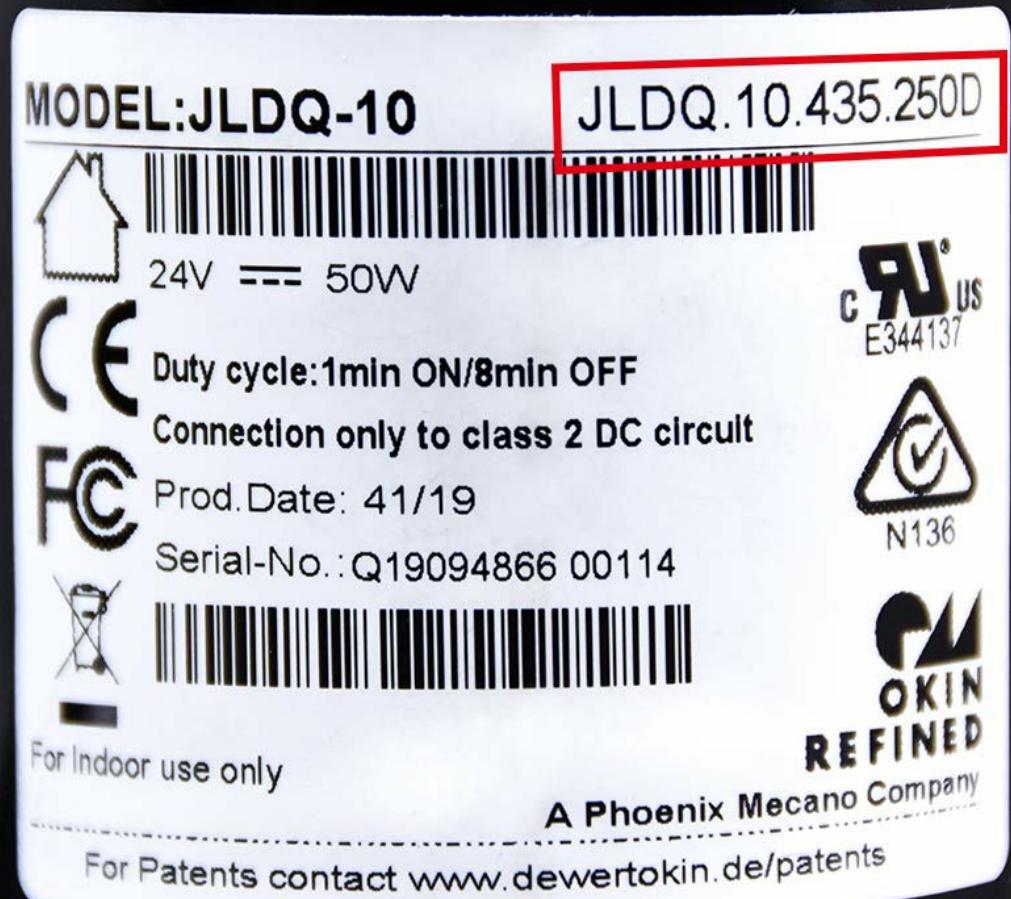


Figure 3: Close-up of the product label on the JLDQ-10 motor actuator. This label displays important information including the model number JLDQ.10.435.250D, voltage (24V), power (50W), duty cycle, and serial number.

## SETUP AND INSTALLATION

Before installing the new motor actuator, ensure that the motor SKU (JLDQ.10.435.250D) on the label and the shapes of the cable connectors and motor ends match your existing unit. This is critical for proper fit and function.

- 1. Safety First:** Disconnect power to the recliner or furniture before beginning any installation work.
- 2. Remove Old Actuator:** Carefully detach the old motor actuator from its mounting points and disconnect all electrical connections. Note the orientation and connection points for reference.
- 3. Verify Compatibility:** Compare the physical dimensions and connector types of the new actuator with the old one. Pay close attention to the minimum installation dimension and stroke length as shown in Figure 2.
- 4. Install New Actuator:** Mount the new JLDQ-10 motor actuator into the designated position. Ensure all mounting screws or pins are securely fastened.
- 5. Connect Wiring:** Reconnect the electrical cables to the appropriate ports. The motor is a DC motor, and connections should be straightforward. Ensure all connections are firm and secure.

6. **Test Functionality:** Once installed, carefully reconnect power and perform a test run of the recliner's functions to ensure smooth operation.



Figure 4: Close-up of the mounting bracket on the JLDQ-10 motor actuator. This shows the secure attachment points for installation into the recliner mechanism.

## OPERATING INSTRUCTIONS

The Okin JLDQ-10 motor actuator operates in conjunction with your recliner's control switch or remote. Once properly installed and connected to a 24V DC power supply, the motor will extend or retract the recliner mechanism based on the input from the control unit.

- **Recline/Extend:** Press and hold the appropriate button on your recliner's switch or remote to extend the footrest and/or recline the backrest.
- **Return/Retract:** Press and hold the opposite button to retract the footrest and return the backrest to its upright position.
- **Duty Cycle:** Adhere to the specified operation frequency of "On 1 min / Off 8 min" to prevent overheating and prolong the motor's lifespan. Avoid continuous operation for extended periods.

## MAINTENANCE

Regular maintenance helps ensure the longevity and smooth operation of your JLDQ-10 motor actuator.

- **Keep Clean:** Periodically clean the motor and surrounding areas to prevent dust and debris buildup, which can hinder performance.
- **Check Connections:** Routinely inspect all electrical connections to ensure they are secure and free from corrosion. Loose connections can lead to intermittent operation or failure.
- **Lubrication:** The actuator is generally maintenance-free regarding internal lubrication. Do not attempt to lubricate internal components unless specifically instructed by Okin support.
- **Avoid Overload:** Do not exceed the specified push and pull force (1000N) to prevent damage to the motor.

## TROUBLESHOOTING

If your recliner is not operating correctly after installing the JLDQ-10 motor actuator, consider the following troubleshooting steps:

- **No Movement:**

- **Power Supply:** Ensure the recliner is properly plugged into a working power outlet and that the power supply unit (transformer) is functioning correctly.
- **Electrical Connections:** Double-check all cable connections between the motor, power supply, and control switch/remote. Ensure they are fully seated and not damaged.
- **Control Switch/Remote:** Before replacing the motor, it is highly recommended to troubleshoot your recliner's control switch or remote. You can test this by temporarily connecting a known working switch from another recliner, if available. A faulty switch is a common cause of non-operation.

- **Partial Movement or Stuttering:**

- **Obstructions:** Check for any physical obstructions preventing the recliner mechanism from moving freely.
- **Overload:** Ensure the recliner is not being overloaded beyond its weight capacity, which can strain the motor.
- **Duty Cycle:** Allow the motor to cool down if it has been operated continuously. Adhere to the "On 1 min / Off 8 min" duty cycle.

- **Motor Noise:**

- Unusual noises might indicate a mechanical issue or a need for professional inspection.



**Tips:** trouble shoot your switch first to make sure you need a motor (by using a switch from a working recliner)

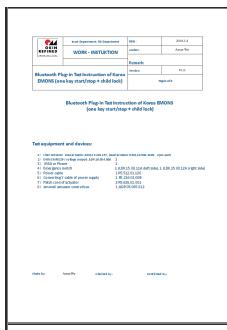
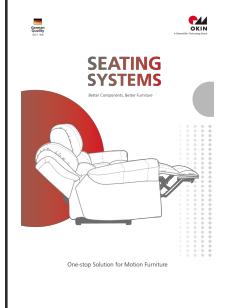
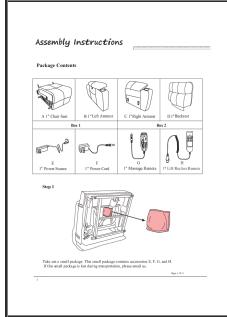
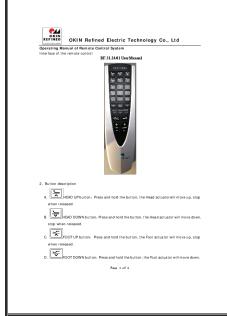
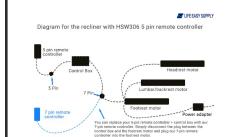
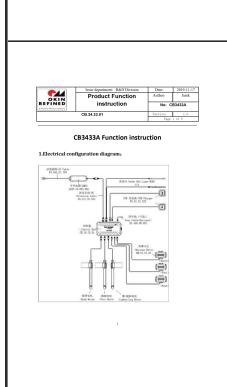
Figure 5: View of the motor's end, highlighting the importance of troubleshooting the control switch first. This image reinforces the recommendation to verify the switch's functionality before concluding the motor is faulty.

## **WARRANTY AND SUPPORT**

For warranty information or technical support regarding your Okin JLDQ-10 Part Model JLDQ.10.435.250D Motor Actuator, please contact Okin customer service. Ensure you have your product model number and any purchase details available when contacting support.

You can typically find contact information on the official Okin website or through the retailer where the product was purchased.

## **Related Documents - JLDQ.10.435.250D**

 <p>Bluetooth Plug-in Test Instruction for OKIN EMONS Actuators</p> <p>Detailed test instructions for the OKIN EMONS Bluetooth Plug-in system, covering setup, app function testing, memory position saving and recall, and safety warnings. Includes component lists and operational steps.</p>	
 <p>OKIN Seating Systems: Components for Motion Furniture</p> <p>Comprehensive catalog of OKIN's seating systems, including manual and power recliner mechanisms, mechatronics, lift chairs, relax chairs, headrests, lumbar supports, actuators, handsets, switches, and accessories for motion furniture.</p>	
 <p>Assembly Instructions for YB2213 Power Lift Recliner Chair</p> <p>Step-by-step assembly guide for the YB2213 power lift recliner chair, including package contents, connection steps, and wiring instructions for power and remotes. Features heat and massage functions.</p>	
 <p>OKIN RF.31.24.01 Remote Control System User Manual</p> <p>Comprehensive user manual for the OKIN RF.31.24.01 22-key remote control system, detailing button functions, position setting procedures, and system components for adjustable beds.</p>	
 <p>OKIN HSW306 5-Pin to 7-Pin Remote Controller Replacement Guide</p> <p>Step-by-step instructions for replacing an OKIN HSW306 5-pin recliner remote controller with a 7-pin model, including wiring bypass, installation steps, and recommended accessories.</p>	
 <p>OKIN CB3433A Control Box Function Instruction and Operation Guide</p> <p>This document provides a detailed function instruction for the OKIN CB3433A control box, a component for adjustable furniture systems manufactured by OKIN, a Phoenix Mecano Company. It outlines the electrical configuration, describes the control box interface, and explains the operation of various actuators (head, foot, lumbar), massage motors, and underbed RGB lighting. The guide also covers LED indicators, pairing procedures, connectivity options (SYNC, USB, UART), power requirements, and includes FCC and ISED RSS regulatory warnings. Written by Jarek from the R&amp;D Division.</p>	