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› [Okin](#) /

› [Okin JLDQ-10 & JLDQ.10.435.250H Power Recliner Actuator Replacement User Manual](#)

Okin JLDQ.10.435.250H

Okin JLDQ-10 & JLDQ.10.435.250H Power Recliner Actuator User Manual

1. PRODUCT OVERVIEW

This manual provides instructions for the Okin JLDQ-10 and JLDQ.10.435.250H Power Recliner Actuator. This actuator is designed as a replacement part for various power recliners, lift chairs, sofas, and beds. It is compatible with several Okin JLDQ series models, including JLDQ.19B.435.250D02/03/04, JLDQ.10.435.250, JLDQ.3.435.250, and 1.28.000.110.30 series. While there may be minor differences, these do not affect its functionality as a replacement.



This image displays the product label on the Okin recliner actuator motor, showing model numbers JLDQ-10 and JLDQ.10.435.250H, voltage (24V), power (50W), duty cycle (1 min ON/8 min OFF), and connection type (Class 2 DC circuit).

2. KEY FEATURES

- **Composition:** Consists of one motor and two connectors.
- **Connectors:** Features a 5-pin round plug for the switch hand control and a 2-pin square plug with a clip for the power supply.
- **Appearance:** Constructed with black PA (polyamide) and silver-white aluminum components.
- **Stroke:** Provides a stroke length of 250 mm (approximately 9.84 inches).
- **Dimensions:** Minimum installation dimension (shrink) is 435 mm (17.12 inches); Maximum dimension (extended) is 685 mm.
- **Load Capacity:** Offers a push force of 1000N and a pull force of 1000N.
- **Operation:** Designed for quiet operation and easy installation.

Product Features



Made of:

1 motor and 2 connectors

Appearance:

black (PA), silver white (aluminum)

Stroke: 250 mm

Minimum install dimension:
435 mm

Maximum install dimension:
685 mm



*Easy to install and
quiet in operation*

This graphic highlights key features of the Okin recliner actuator motor, including its composition (1 motor, 2 connectors), appearance (black PA, silver white aluminum), stroke (250mm), minimum install dimension (435mm), and maximum install dimension (685mm).

3. INSTALLATION GUIDE

Before beginning installation, ensure that the new actuator is compatible with your recliner's frame. Different actuators may have varying minimum installation dimensions, stroke lengths, and plug types. Verify that the model number of this Okin actuator matches or is a compatible replacement for your existing motor.

Installation Steps:

1. **Disconnect Power:** Always unplug your recliner from the main power supply before attempting any installation or maintenance.
2. **Remove Old Actuator:** Carefully detach the old actuator from the recliner frame. Note how it was mounted and connected for reference.
3. **Mount New Actuator:** Secure the Okin JLDQ-10 / JLDQ.10.435.250H actuator to the recliner frame using the appropriate mounting points. Ensure it is firmly attached and aligned correctly.

4. Connect Plugs:

- Connect the 5-pin round plug to the switch hand control.
- Connect the 2-pin square plug with the clip to the power supply.

5. **Verify Connections:** Double-check all connections to ensure they are secure and correctly seated.

6. **Test Functionality:** Plug the recliner back into the power supply and test the actuator's movement using the hand control. Ensure smooth operation through its full range of motion.



This image illustrates the two types of connectors on the Okin recliner actuator motor: a 5-pin round plug for the switch hand control and a 2-pin square plug with a clip for the power supply.

4. OPERATION

Once installed and connected to a power source, the Okin JLDQ-10 / JLDQ.10.435.250H actuator operates in conjunction with your recliner's hand control. Use the buttons on your hand control to extend or retract the recliner mechanism. The motor is designed for a duty cycle of 1 minute ON and 8 minutes OFF, meaning it should not be operated continuously for more than one minute at a time to prevent overheating and ensure longevity.

5. MAINTENANCE

The Okin recliner actuator is designed for durability and requires minimal maintenance. To ensure optimal performance and extend its lifespan:

- **Regular Inspection:** Periodically check the motor and its connections for any signs of wear, loose wires, or damage.
- **Cleaning:** Keep the motor free from dust and debris. Use a dry cloth to wipe down the exterior. Avoid using liquid cleaners directly on the motor.
- **Lubrication:** The internal components are pre-lubricated. Do not attempt to lubricate the motor unless specifically instructed by a qualified technician.
- **Avoid Overload:** Do not exceed the specified load capacity of 1000N (push and pull force).

6. TROUBLESHOOTING

If your recliner is not operating correctly after installing the Okin actuator, follow these troubleshooting steps:

1. **Check Power Supply:** Ensure the recliner is properly plugged into a working electrical outlet. Verify that the power supply unit is functioning correctly.
2. **Inspect Hand Control:** Test the hand control switch. Sometimes, the issue may lie with the control unit rather than the motor itself.
3. **Verify Motor Connections:** Confirm that both the 5-pin round plug (for the hand control) and the 2-pin square plug (for power) are securely connected to the actuator.
4. **Confirm Compatibility:** Re-check the model number of your original motor against the Okin JLDQ-10 / JLDQ.10.435.250H to ensure it is a compatible replacement. Pay close attention to the minimum install dimension, stroke, and plug types.
5. **Physical Obstructions:** Inspect the recliner mechanism for any obstructions that might be preventing the actuator from moving freely.
6. **Motor Noise/Movement:** Listen for any unusual noises from the motor. If the motor makes noise but does not move, there might be a mechanical issue or an obstruction. If there is no noise, check electrical connections more thoroughly.

If these steps do not resolve the issue, contact customer support for further assistance.

7. SPECIFICATIONS

Specification	Detail
Model Numbers	JLDQ-10, JLDQ.10.435.250H
Voltage	24V
Power	50W
Duty Cycle	1 minute ON / 8 minutes OFF
Load (Push Force)	1000N
Load (Pull Force)	1000N

Specification	Detail
Stroke Length	250 mm (9.84 inches)
Minimum Installation Dimension (Shrink)	435 mm (17.12 inches)
Maximum Dimension (Extended)	685 mm
Product Dimensions	17.7 x 4 x 3 inches
Item Weight	5.24 pounds
Manufacturer	OKIN Refined Electric Technology Co.,Ltd



This image shows the minimum installation size (17.12 inches) and the stroke length (9.84 inches or 250mm) of the Okin recliner actuator motor, illustrating its retracted and extended states.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Ensure you have your product model number and purchase details available when seeking support.