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› [LiftMaster MJ5011U-1IN-SECTIONAL Medium-Duty Jackshaft Operator User Manual](#)

LiftMaster MJ5011U-1IN-SECTIONAL

LiftMaster MJ5011U-1IN-SECTIONAL Medium-Duty Jackshaft Operator User Manual

Model: **MJ5011U-1IN-SECTIONAL** | Brand: **LiftMaster**

1. INTRODUCTION AND OVERVIEW

The LiftMaster MJ5011U-1IN-SECTIONAL Jackshaft Operator is a robust medium-duty door operator designed for high-lift or vertical-lift sectional doors and small rolling doors or grilles. This unit is powered by a 1/2 HP, 115/230V single-phase motor, providing reliable performance with built-in overload protection. It features an integrated Medium-Duty Logic control board with a built-in 315 MHz receiver, programmable timer-to-close (TTC), and UL325-2010 compliant monitored entrapment protection capability.

Its versatile design supports surface-mounted installations and delivers smooth, efficient operation in commercial environments. The operator comes equipped with a 1-inch sprocket for compatibility with sectional doors, an adjustable friction clutch, and a heavy-duty solenoid brake to ensure safe operation.



Image of the LiftMaster MJ5011U-1IN-SECTIONAL Medium-Duty Jackshaft Operator, showing its compact design and mounting points.

2. SAFETY INFORMATION

WARNING: Improper installation or use of this product can result in serious injury or death. Read and understand all instructions before installation and operation.

- Always disconnect power to the operator before performing any service or maintenance.
- Installation must be performed by qualified personnel and comply with all local electrical and building codes.
- Keep hands, clothing, and other objects clear of the door and operator's moving parts.
- Ensure all safety devices, such as monitored entrapment protection, are properly installed and tested regularly.
- Do not allow children to operate the door or play near the operator.
- This operator is UL325-2010 compliant; ensure all components maintain this compliance.

3. INCLUDED COMPONENTS

The following components are typically included with your LiftMaster MJ5011U-1IN-SECTIONAL Jackshaft Operator:

- MJ5011U-1IN-SECTIONAL Jackshaft Operator unit
- 1-inch sprocket (factory-installed)
- Integrated logic board with built-in 315 MHz receiver
- Heavy-duty solenoid brake
- Adjustable friction clutch
- 3-button control station (Open/Close/Stop)

4. SETUP AND INSTALLATION

Installation of the LiftMaster MJ5011U-1IN-SECTIONAL operator requires technical expertise and should be performed by a qualified installer. Refer to the comprehensive installation manual for detailed instructions and diagrams.

Key Installation Steps:

1. **Mounting:** Securely mount the operator to the wall or ceiling adjacent to the door shaft. Ensure the mounting surface is structurally sound to support the operator's weight (approximately 98 lbs).
2. **Sprocket Alignment:** Ensure the factory-installed 1-inch sprocket aligns correctly with the door shaft. Proper alignment is critical for smooth operation and to prevent premature wear.
3. **Electrical Connection:** Connect the operator to a dedicated 115V or 230V single-phase power supply, as specified for your unit. All wiring must comply with national and local electrical codes.
4. **Safety Devices:** Install and connect all required safety devices, including monitored entrapment protection sensors, according to the full manual.
5. **Limit Settings:** Adjust the door's open and close limits precisely to prevent over-travel.
6. **Test Operation:** After installation, perform thorough testing of the operator and all safety features before putting the door into service.

5. OPERATING INSTRUCTIONS

The LiftMaster MJ5011U-1IN-SECTIONAL operator is designed for straightforward operation using the included 3-button control station or compatible remote controls (sold separately).

- **Open Button:** Press the 'Open' button on the 3-button control station to raise the door.
- **Close Button:** Press the 'Close' button to lower the door.
- **Stop Button:** Press the 'Stop' button at any time to halt the door's movement.
- **Remote Control:** If using a remote control, refer to its specific instructions for pairing with the operator's built-in 315 MHz receiver. The receiver supports Security+ and DIP switch remotes.
- **Timer-to-Close (TTC):** The integrated logic board features a programmable timer-to-close function. Consult the full manual for instructions on how to enable and adjust this feature.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your LiftMaster Jackshaft Operator. Always disconnect power before performing any maintenance.

- **Monthly Inspection:** Visually inspect the operator, drive chain, and door hardware for signs of wear, damage, or loose fasteners.
- **Lubrication:** Lubricate the drive chain and other moving parts as recommended in the detailed maintenance schedule provided in the full manual. Use only recommended lubricants.
- **Safety Device Test:** Test all safety devices, including monitored entrapment protection, monthly to ensure they are functioning correctly.
- **Electrical Connections:** Check all electrical connections for tightness and signs of corrosion.
- **Cleanliness:** Keep the operator and surrounding area clean and free of debris.

7. TROUBLESHOOTING

If your LiftMaster Jackshaft Operator is not functioning as expected, consider the following basic troubleshooting steps. For complex issues, contact a qualified service technician.

- **Operator Not Responding:**
 - Check if the operator is receiving power. Verify the circuit breaker or fuse.
 - Ensure the emergency stop button (if installed) is not engaged.
 - Check connections to the 3-button control station.
- **Door Does Not Move Smoothly:**
 - Inspect the door tracks and rollers for obstructions or damage.
 - Check the door springs for proper tension.
 - Verify the operator's drive chain tension and lubrication.
- **Safety Devices Not Functioning:**
 - Ensure safety sensors are clean, aligned, and unobstructed.
 - Check wiring connections to all safety devices.

8. SPECIFICATIONS

Manufacturer	LiftMaster
Model	MJ5011U-1IN-SECTIONAL
Part Number	MJ5011U-1IN-SECTIONAL1/2 HP 115/230V
Item Weight	98 pounds
Product Dimensions	18.5 x 14.75 x 9.22 inches
Color	Black
Motor	1/2 HP, 115V or 230V, single-phase, capacitor start
Voltage Input	115/230V
Operator Type	Jackshaft
Mounting	For sectional doors with 1" bore sprocket
Receiver	Built-in 315 MHz, supports Security+ and DIP switch remotes
Duty Cycle	Medium-duty, recommended max 12 cycles/hour

Construction	11-gauge powder-coated steel frame
Control Circuit	24V NEC Class 2
Drive Reduction	4L V-belt first stage; #48 chain second and third stage
Brake	Heavy-duty solenoid-actuated brake
Certification	UL325-2010 compliant

9. WARRANTY INFORMATION

The LiftMaster MJ5011U-1IN-SECTIONAL Medium-Duty Jackshaft Operator is covered by a **2-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For complete details regarding warranty coverage, terms, conditions, and limitations, please refer to the official warranty document included with your product or visit the LiftMaster official website. Proof of purchase may be required for warranty claims.

10. SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond the scope of this manual, replacement parts, or general inquiries, please contact LiftMaster customer support.

It is recommended to have your model number (MJ5011U-1IN-SECTIONAL) and serial number (if applicable) ready when contacting support to expedite service.

Please visit the official LiftMaster website for the most up-to-date contact information, FAQs, and additional resources.