

# MAXUM

Next Generation  
DC Commercial Door Operator  
RJDC Jackshaft w/ Manual Release

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**PRODUCT GUIDE**



Scan to learn more about  
the RJDC Jackshaft w/ Manual Release

**Simple. Smart. Built to Last.**

**LiftMaster**

POWERED BY myQ

# RJDC JACKSHAFT W/ MANUAL RELEASE

LiftMaster® is pioneering MAXUM, the next generation of innovation for commercial door automation. This all-new commercial door operator is a state-of-the-art platform that introduces next-level versatility in a sleek, purpose-built design that's easier to install and service. With unrivaled performance and intelligence, the new line-up will help today's commercial facilities take the next step toward a smarter future.

For up to 700 lb. doors.

## Popular Features

### Manual Release

Quickly disconnect the operator from the door using the included Manual Release Sash Chain.

### Smooth Start/Stop Operation

Extends the life of the operator and door hardware.

### Faster Speed

Average of 12" per second opening on sectional doors, and 8-9" per second on rolling steel doors.

### Floor Level Wall Controller

4-line LCD display gives you access to more information at all times. Bringing programming, troubleshooting and diagnostics down to the floor level will save you time and money.

### Battery Backup Capable

Allows for seamless operation when power is out.

### Advanced Diagnostics and Troubleshooting

Receive real-time feedback and alerts, allowing for fast troubleshooting and reduced downtime.

### Built-in myQ + Wi-Fi® Capabilities

Connect to myQ Facility via Wi-Fi for visibility into what is happening at your door and control it from your web browser. No need for additional hubs or accessories. Know what accessories activate the door (remote, keypad, etc.)



### Security+ 2.0 on Board Radio Receiver

Manage up to 90 remotes.

### Motor

Built with a high efficiency motor and gearbox. Delivers robust performance with the flexibility to move your sectional or rolling door applications.

### Lighter Weight

Easier installation at up to 20 lbs. lighter than comparable AC operators.

### Control Board

Designed to have everything at your fingertips. Color coded, push-to-release terminals allow for easy and secure wiring, no tools necessary.

### 3 Monitored Entrapment Protection Inputs

Protect up to 3 entrapment protection points with every installation.

### UL® Listed

LiftMaster Commercial Door Operators are listed to ANSI/CAN/UL325 Standard for USA/Canada and are certified to NOM/IFETEL Standards for Mexico.

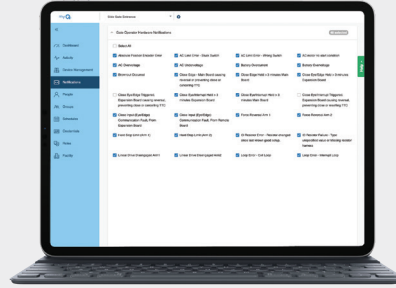
### Industrial-Grade Design

Durable metal chassis frame and plastic E-Box offers strength and flexibility with installation. E-Box hinge design allows for easy cover removal for enhanced accessibility.

## Connect and stay on top with myQ Facility.

### Enhanced Features

- Door Monitor and Control
- Enhanced Diagnostics and Error Codes
- Cycle Counts (Operator Absolute & Service)
- Simple device provisioning process, stable connection to the cloud
- Timely sensing throughout door travel
- Cloud Access Control
- Transmitter Management:  
Unlock 1,000 learned transmitter capabilities to track specific people tied to those transmitters



myQ Facility is a cloud-based solution that keeps you up to date and in control of all of your facility's access points. This allows you to work smarter, improve efficiencies and reduce expenses.\*

\*When linked with an access control, Powered by myQ, cellular data or Wi-Fi connection required. Test equipment regularly and follow safety instructions.

## Included Accessories

### CPS-U

#### Monitored Through-Beam Photo Eye

The CPS-U is a proven design photo eye and engineered for ease of alignment at installation; max. range: 30 ft.

NEMA 4X units include CPS-UN4.



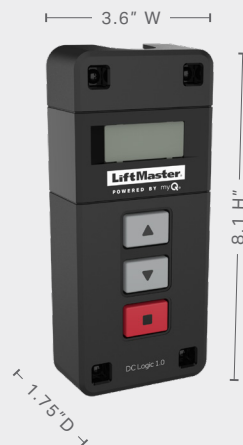
### DCWALLCTL

#### Floor Level Wall Controller

Menu based user interface allows you to scroll through, edit and save options and settings easily. 4-line LCD display gives you convenient access to even more information in seconds.

**Faster Setup and Added Personalization:** Allows the user to only access settings and options needed for installation.

**Increased Security:** This user interface gives customers peace of mind by requiring a password-protected code to access any door and alter speed settings.



Default text language is English (Spanish and French selectable in menu)

## Recommended Accessories

### Edges and Wireless Edge Devices

A contact edge sensor stops and/or reverses a moving door when sensing an obstruction in its pathway. Add the LMWEKITU to eliminate the need for wiring between LiftMaster Monitored Resistive Edges and our new Commercial Door Operators.

### Loop Detectors/Loops (LPEXP)

Loops prevent the door from closing on a vehicle in its path with strong sensors and wires installed in the ground. Add the LOOPDETLM detector, which plugs into the board for ease of installation.

### Auxiliary Relay Board (AUXREL)

Easy to install accessory board for auxiliary limit switches, lights, bells, horns, strobes, and other devices.

### Red/Green Light (RGL-CTL)

18 red/green high-intensity LEDs: Suitable for single lane operations and clear visibility.

### Monitored Light Curtain (LC36M)

Provides up to 33 ft. of protection range and a minimum of 36 in. of height coverage to keep your equipment safe.

### Cable Tension Monitors

K41-0157-000-Commercial CTM (Right)

K41-0156-000-Commercial CTM (Left)

Easy to install. Provides additional door and operator protection by reversing a closing door if excess cable slack is detected.

### Chain Tensioner (Spreader Bar)

CHAITENSDC - 1" Chain Tensioner

CHAITENS125DC - 1.25" Chain Tensioner

### Battery Backup (DC7AH)

Provides battery power in case of power outage. Two batteries and mounting bracket included.

| Sectional Doors   Recommendations for 12-Tooth Operator Sprocket |                                 |                              |                                 |                            |                              |                                 |
|--|---------------------------------|------------------------------|---------------------------------|----------------------------|------------------------------|---------------------------------|
| Drum Diameter  | Door Sprocket for Desired Speed |                              |                                 |                            |                              |                                 |
|  | For 12 in/sec Door Speed        |                              |                                 | For 9-10 in/sec Door Speed |                              |                                 |
|  | Sprocket Tooth Count            | 1 in. Bore<br>1/4 in. Keyway | 1.25 in. Bore<br>1/4 in. Keyway | Sprocket Tooth Count       | 1 in. Bore<br>1/4 in. Keyway | 1.25 in. Bore<br>1/4 in. Keyway |
| 4"   | 16-Tooth                        | 71-1550B16LGH                | 71-1550B16QGH                   | 24-Tooth                   | 71-1550B24LGH                | 71-1550B24QGH                   |
| 5.25" - 5.75"<br>& 8.5"<br>(Vertical Lift)                       | 24-Tooth                        | 71-1550B24LGH                | 71-1550B24QGH                   | 32-Tooth                   | 71-1550B32LGH                | 71-1550B32QGH                   |
| 6.375" - 11"   | 32-Tooth                        | 71-1550B32LGH                | 71-1550B32QGH                   | 42-Tooth                   | 71-1550B42LGH                | 71-1550B42QGH                   |
| 13.5"  | 42-Tooth                        | 71-1550B42LGH                | 71-1550B42QGH                   | 56-Tooth                   | 71-1550B56LGH                | 71-1550B56QGH                   |
| Not Sure   | 24-Tooth                        | 71-1550B24LGH                | 71-1550B24QGH                   | 32-Tooth                   | 71-1550B32LGH                | 71-1550B32QGH                   |

| Rolling Doors, Uninsulated   Recommended Door Sprockets |                |             |                              |                                 |                              |                                 |
|---|----------------|-------------|------------------------------|---------------------------------|------------------------------|---------------------------------|
| Max 20ft Door Height - 8-9 in/sec Door Speed            |                |             |                              |                                 |                              |                                 |
| Operator Series   | Door Weight    | Tooth Count | 1 in. Bore<br>1/4 in. Keyway | 1.25 in. Bore<br>1/4 in. Keyway | 1 in. Bore<br>3/8 in. Keyway | 1.25 in. Bore<br>3/8 in. Keyway |
| 700   | up to 450 lbs  | 50-Tooth    | 71-1550B50LGH                | 71-1550B50QGH                   | 71-1550B50LKH                | 71-1550B50QKH                   |
|   | 450 to 700 lbs | 72-Tooth    | 71-1550B72LGH                | 71-1550B72QGH                   | 71-1550B72LKH                | 71-1550B72QKH                   |

| Rolling Doors, Insulated   Recommended Door Sprockets |               |             |                              |                                 |                              |                                 |
|---|---------------|-------------|------------------------------|---------------------------------|------------------------------|---------------------------------|
| Max 20ft Door Height - 8-9 in/sec Door Speed          |               |             |                              |                                 |                              |                                 |
| Operator Series                                       | Door Weight   | Tooth Count | 1 in. Bore<br>1/4 in. Keyway | 1.25 in. Bore<br>1/4 in. Keyway | 1 in. Bore<br>3/8 in. Keyway | 1.25 in. Bore<br>3/8 in. Keyway |
| 700   | up to 450 lbs | 60-Tooth    | 71-1550B60LGH                | 71-1550B60QGH                   | 71-1550B60LKH                | 71-1550B60QKH                   |

## Features

### Mechanic

- 24VDC Motor Drive
- 65:1 Gearbox with #50 Chain
- Manual Release sash chain to disconnect operator from door
- Dynamic braking standard on all MAXUM operators
- Field-swappable Handing <10 mins
- Mounted Keyhole Slots: Created for installers to easily access and fasten the operator to the wall
- Removable Front Cover
- Captive E-Box Screws: Remain in place when opening and removing cover

### Power

120Vac 1PH/240Vac 1/3PH; 480Vac 3PH; 208Vac 3PH (via transformer); 600Vac 3PH (via transformer)

### Temperature Range

|                   |                                |
|-------------------|--------------------------------|
| Without heater    | -4°F (-20°C) to +149°F (65°C)  |
| With heater (HTR) | -40°F (-40°C) to +149°F (65°C) |

### Dimensions

- Operator 700 lbs. / 11.1" W x 21.7" H x 12.1" D
- Floor Level Wall Controller / 3.6" W x 8.2" H x 1.7" D

### Warranty

- 5 Years Limited Warranty
- Photoeyes - 1 Year
- Replacement Parts - 1 Year
- LCD Wall Control - 1 Year

### MAXUM Operator

- Standard Duty - 5 YEARS / 85,000 Cycles\*
- Extended Duty - 5 YEARS / 130,000 Cycles\*

### Carton Contents

- Operator
- Antenna
- CPS-U (NEMA 4X units include CPS-UN4)
- DCWALLCTL
- Manual Release Sash Chain (12ft), full assembly ~14ft length

## Business Partners

**For Sales** | 800.282.6225

**For Technical Support** | 800.528.2806

**For Billing** | 800.323.2276

**To Learn More** | [LiftMaster.com](https://www.liftmaster.com)