

# M50

## Garage Door Operator



2 Year Parts  
Warranty



The M50 one-light operator is a feature-rich, reliable system designed to perform, built to last and guaranteed to provide years of smooth, trouble-free operation. Its advanced digital Easy Operating System (EOS™) provides a user friendly set up which makes for a more efficient and faster installation. The direct current (DC) Smart Motor®, coupled with a belt or chain drive system, ensures an amazingly quiet operation.

Marantec

Access Systems ➤ Automatically The Best Choice

## **E O S** EASY OPERATING SYSTEM

### Electrical

Power Supply: 120 VAC / 60Hz

Control Voltage: 24 VDC

Motor Voltage: 24 VDC

Thermal Protection: Automatic

Power Cord: 6ft (3-Prong)

### Operator Features

Travel Rate-Main: 5.5 in/sec

Push & Pull Force: 500 Newton (1/2 HPCS<sup>™</sup>)\*

Operating force and system sensitivity for open and close position independently adjustable

Logic Type: Microprocessor with Built-In Surge Suppressor

Limit Settings: Electronic

Class II - Low Voltage Connections: Quick Connect Terminals

Display: 8-LED Operation/Diagnostic system

Operator weight: 9 lbs

Dimensions: 18" x 8½" x 5¾" (L x W x H)

### Photo Eye Sensors Safety System

Non-impact, advanced Infrared Safety Sensors reversing system. Complies with all UL 325 requirements and safety regulations.

### Radio Controls

Receiver: Modular, wireless code learning

Frequency: 315MHz (Homelink<sup>®</sup> compatible)

Technology: Multibit code

### Digital Transmitter

Included Transmitter: 2-channel MINI

Operating Range: 100ft approx.

Battery: One 3V battery

### Wired Controls

Modular Multi-Function Wall Control with Vacation/Lock Switch

\*Horsepower comparable in strength (HPCS<sup>™</sup>), using lifting force specifications to a 1/2HP garage door operator.

### Lighting System

- Time controlled
- One (1) bulb, 60W Max. (not provided)

### Lens Cover

High impact, heat resistant, UL recognized plastic, lens cover

### Safety and Convenience

- Meets and exceeds all UL325 requirements
- Easy Operating System (EOS<sup>™</sup>)
- External devices Quick Connect Terminals located on the rear of the operator for an easier and quicker installation
- Infrared photo eye protection system
- Safety reversal (sensing technology) system, door stops from closing upon contacting a person or object.
- Warning System (light flashes) during an obstructed condition
- Manual emergency release in case of power failure
- On-Command Door Activation (OCDA<sup>™</sup>), programmable "open" intermediate position to vent the garage
- Maximum Run Timer – Protects against damage to door and operator, door stops and reverses

### Energy Conservation Feature:

- Adjustable light timer from 30 seconds to a maximum of 4 minutes

### Self Learn Force System:

- Monitors and controls motor force every cycle (Smart Motor<sup>®</sup>) to optimize operation force requirements

### Soft Start/Soft Stop:

- Electronically Controlled - Prevents premature door and operator wear and provides quieter operation

### Self-Diagnostic System:

- LED error code indicator for a more efficient (quicker) installation and system troubleshooting
- System reset function clears the system memory and restores default system settings

### Connection Terminals

- The external devices/accessories Quick Connect terminals integrate all external devices connections in a central location, on the rear of the operator, providing for an easier and quicker installation, easier connectivity verification.
- Innovative concept where the receiver module is simply plugged into the unit. This allows for quick and simple frequency changes.

### Warranty

**2 year limited parts warranty**  
**10 year limited warranty on the motor**



## Accessories

### Transmitters

Two styles of digital remote control transmitters in three different configurations: 2-channel MINI, 4-channel MINI (optional), and 3-channel MICRO (optional) remotes for controlling other devices. Unique, multi-bit technology, LED control button verification.



### Modular Multi-Function Wall Station

Provides door operation and convenience from inside the garage. Compact, stylishly designed to fit in a standard single gang electrical box. Illuminated push-button. Security vacation/lock switch. Light control. Individual control stations can be combined into one solid panel.



### Wireless Keyless Entry System (WKES)

Convenient, 4-digit PIN. Controls up to 3 different garage doors. Code security. Weather resistant. Provides temporary access to authorized visitors or service personnel.



Marantec reserves the right to make design and technical specifications changes without notice. Patents: 4 625 291, 4 88 531, 7 009 592 (other patents pending)

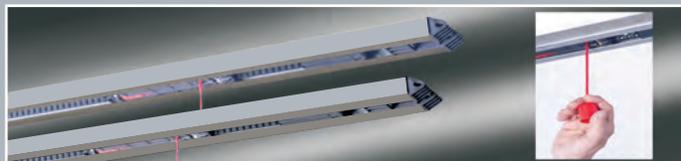


FCC/Industry Canada Certified



IDA International Door Association

## Drive System



### Rail

The best in advanced engineering and materials. One piece semi-closed fully assembled drive system with a high strength galvanized steel finished C-rail, available with a steel-reinforced belt or a full steel chain.

Drive system's overall length with attached operator  
7ft. door: 10'- 10¼"

Door Heights Supported:  
7ft, 8ft, 10ft.

Headroom Clearance Required:  
1¼"

Trolley: Includes emergency release, easy reconnect

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