

eco

Driven by

[EOS] EASY
OPERATING
SYSTEM



MLine eco™

Garage Door Opener Series

The M4500eco and M4700eco are energy conscious, feature-rich, reliable systems designed to perform, built to last and guaranteed to provide years of trouble-free operation. Their advanced operating system (EOS™) and Direct Current (DC) motor ensures an amazingly quiet operation. In addition to the best warranty in the industry, Marantec eco openers provide the following green advantages:

- **A highly efficient stand-by-mode reduces the opener energy consumption from 7 watts to less than 0.3 watts.**
- **During stand-by-mode, the operational efficiency is 96% better than other garage door openers.**
- **A programmable light timer allows for the opener lighting duration to be set between 30 seconds and 4.5 minutes, thereby illuminating the garage only when needed.**
- **An integrated energy management system with active sleep mode provides on demand operation without delays.**



M4500eco & M4700eco Warranty:

- Lifetime Warranty on Motor, Belt Drive System and Chain Drive System
- 5 Year Parts Warranty
- 1 Year Warranty on Accessories

Marantec

Access Systems ▶ Automatically The Best Choice

M4500eco/M4700eco Specifications



Electrical

Power Supply: 120 VAC / 60Hz
 Control Voltage: 24 VDC
 Standby-by: Less than 0.3 watts
 Motor Voltage: 24 VDC
 Thermal Protection: Automatic
 Power Cord: 6ft (3-Prong)

Operator Features

Travel Rate-Main: 5.5 in/sec
 Push & Pull Force:
 M4500eco: 500 Newton (1/2 HPS™)*
 M4700eco: 700 Newton (3/4 HPS™)*
 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: M4500eco: 9 lbs
 M4700eco: 10 lbs

Dimensions (L x W x H):
 M4500eco: 18 1/4" x 8 1/2" x 6 3/4"
 M4700eco: 14 1/2" x 14 5/8" x 6 3/4"

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® compatible)
 Technology: Multibit code

Digital Transmitter

Included Transmitter:
 M4500eco: One 2-ch. MINI
 M4700eco: One 2-ch. MINI
 Operating Range: 100ft. approx.
 Battery: One 3V battery

Wired Controls

Modular Multi-Function Wall Control with Vacation/Lock Switch

Lighting System

Time controlled:
 M4500eco: 1 bulb, 60W Max.
 M4700eco: 2 bulbs, each 60W Max. (not provided)

Lens Cover

High impact, heat resistant, UL recognized plastic:
 M4500eco: 1 lens cover
 M4700eco: 2 lens covers

Safety and Convenience

- Meets and exceeds all UL 325 requirements
- Easy Operating System (EOS™)
- 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™), 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:

- Highly efficient stand-by-mode that consumes less than 0.3 watts results in lower electric bills
- Integrated Energy Management System (EMS™), active sleep mode without operational delays
- Eco friendly, highly efficient design lowers carbon emissions
- Adjustable light timer from 30 seconds to a maximum of 4 minutes 30 seconds

Self Learn Force System:

- Monitors and controls motor force every cycle (Smart Motor®) 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

- Lifetime Warranty on Motor, Belt Drive System and Chain Drive System
- 5 Year Parts Warranty
- 1 Year Warranty on Accessories



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.



* Horsepower comparable in strength (HPCS™), using lifting force specifications to a 1/2HP and 3/4HP garage door operator.

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)

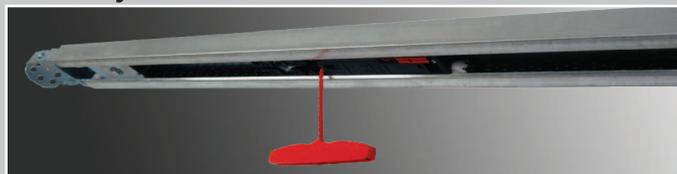


FCC/Industry Canada Certified

DASMA

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 overall length for a 7ft. door: M4500eco: 10'-10 1/4"
 M4700eco: 10'-6 1/2"

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

Headroom Clearance Required:
 1 1/4"

Trolley: Includes emergency release, easy reconnect

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