

# MA/MAT

HIGH-TRAFFIC DC BARRIER GATE OPERATOR



**Ultra-Reliable, Durable,  
Superior Performance**

LiftMaster® high-traffic DC powered barrier gate operators with Battery Backup keep traffic flowing and provide easy in and out access 24 hours a day. Rated for 6,000 cycles per day with an opening time of 2.5 seconds and constructed of corrosion resistant aluminum alloy, the Mega Arm/Mega Arm Tower are the ideal choice for high-traffic applications. The product's Security+ 2.0® radio technology provides unparalleled reliability and quick, secure access. Optional LED Barrier Arm provides exceptional visibility 24 hours a day.

### Performance

- **Battery Backup** safeguards your property by providing up to up to 900 cycles\* when the power is down.
- **Breakaway Arm** can be easily reinstalled if arm is hit, quickly restoring traffic control.
- **Continuous Duty DC Motor** is powerful and features soft starting and stopping for quiet, efficient operation.
- **Heavy-Duty Drive System with Commercial Gearbox** provides reliable, continuous operation.
- **Magnetic Limit Sensors** have no moving parts and are designed for high-cycle applications, so there's less wear and tear and you're assured dependable operation day-in and day-out.
- **Sequenced Access Management** provides control between barrier and slide/swing gate operators to maximize traffic flow.
- **K1 Relay** provides output signals to activate other accessories or operators during open/close cycles.

### Safety and Security

- **Security+ 2.0 Patented Multi-Frequency Secure Radio Technology** virtually eliminates interference and gives you quick and secure access with enhanced range and performance.
- **Fire Department Compliant** selectable settings allow gate to auto open upon loss of AC power or battery depletion.
- **Anti-Tailgate Feature** prevents unauthorized access to your property.
- **Built-in Surge Suppression** protects against high-voltage spikes and surges.

\*Basic set up with remote controls programmed with a 12 ft. Barrier Arm. Does not include power draw from added accessories. LiftMaster low power draw accessories recommended to extend cycles on Battery Backup.

### Optional Accessories:



#### 12 ft. and 17 ft. LED Barrier Arms (MALED12/MALED17)

Aluminum arm with integrated red LED lights on one side and red/white DOT tape on both sides. Provides exceptional visibility 24 hrs. a day. Additional barrier arms are available, see back side.



#### 1-Button Encrypted DIP Switch Remote Control (811LM)

Cost effective solution with Security+ 2.0 for applications requiring a large number of remote controls for a common entrance.



#### 2-Button and 4-Button Learning Remote Controls (892LT/894LT)

Independent button programming with Security+ 2.0. Also compatible with Security+® 315MHz and 390MHz frequencies. Can clone existing DIP Switch Remote Controls.



#### Commercial Access Control Receiver (STAR1000)

Stand alone commercial receiver with Security+ 2.0 provides enhanced range and reliability. Holds up to 1,000 remote controls.



#### LiftMaster Loop Detector (LD7LP)

Automatic sensitivity settings for easy vehicle detection. Power efficient design ideal for battery backup.



#### Retro-Reflective Photo Eye (RETROAB)

Safeguards your property. Single-sided means no expensive trenching or wiring.

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## HIGH-TRAFFIC DC BARRIER GATE OPERATOR

### FEATURES

#### DUAL-GATE OPERATION

Works in conjunction with another barrier gate operator.

#### BUILT-IN 110V CONVENIENCE OUTLET

Simplifies adding/powering up accessory devices. Save the expense of having to add an extra outlet.

#### UNIVERSAL CONTROLLER WITH 8 INPUTS

Allows for the connection of a full range of optional external devices.

#### RIGHT- OR LEFT-HANDED OPERATION

Provides flexibility to fit your application and ease of installation.

#### SLIP CLUTCH OPTION

Allows arm to be manually pushed open without damaging the shear pin. Arm automatically resets to normal closed position upon receiving activation.

#### 850LM RADIO RECEIVER INCLUDED

Stores up to 90 remote controls.

#### WARRANTY

Two years parts.  
Ten years frame.

### SPECIFICATIONS

#### OPERATOR SPEED

2.5 seconds to open or close

#### POWER

120V / 220V applications

#### ACCESSORY POWER

24VDC 500 mA

#### OPERATOR WEIGHT (without arm)

MADCBB3 – 89 lbs.  
MATDCBB3 – 113 lbs.

#### UL LISTED

UL 325 & UL 991 – Class I, II, III, IV

### CONSTRUCTION

#### GEAR REDUCTION

60:1 reducer in synthetic oil bath

#### MOTOR

1/2 HP equivalent  
Continuous-duty 24VDC / 800 RPM

#### CHASSIS

Powder coated 1/4 in. aluminum alloy

#### COVER

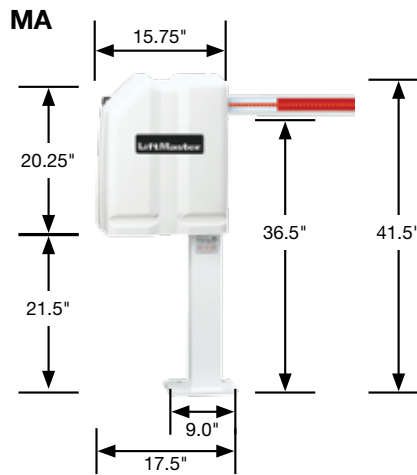
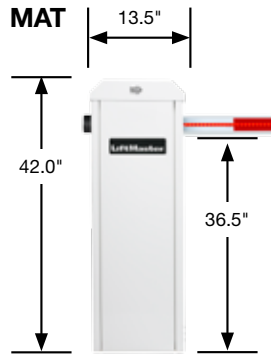
MA – UV-resistant polyethylene  
MAT – Full aluminum cabinet

### RECOMMENDED CAPACITIES

HP	MAX. ARM LENGTH (ft.)	CYCLES/DAY
1/2	12 ft. & 17 ft. aluminum arm 14 ft. soft-padded arm	6,000

LiftMaster® gate operators comply with UL 325 standards. External entrapment devices must be added to meet UL 325 standards. Your installer will recommend suitable entrapment devices such as photoelectric sensors or edge sensors.

### DIMENSIONS



### LED BARRIER ARM SPECIFICATIONS

**ARM MATERIAL**  
Aluminum

**OPERATING VOLTAGE**  
12VDC

**LAMP TYPE**  
LED 3528 IP68 Silica gel filled

**COLOR**  
Red/White

**POWER**  
14.4 W/m

**OPERATING TEMPERATURE**  
-13°F (-25°C) to 140°F (60°C)

#### UL LISTED

UL 325 & UL 991 – Class I, II, III, IV

#### WARRANTY

Six month limited.

#### MALED12

Arm  
12 ft. x 3 in. x 2 1/4 in., 17 lbs.  
(10 ft. 9-3/4 in. installed)

#### Contents

(1) 12 ft. Arm with LED  
(1) Installation Kit

#### MALED17

Arm  
17 ft. x 3 in. x 2 1/4 in., 25 lbs.  
(14 ft. installed)  
Requires Counterweight (MALEDCW)





#### Contents

(1) 17 ft. Arm with LED  
(1) Installation Kit

#### MALEDCW

Counterweight  
14 in. x 2 3/4 in. x 2 1/8 in., 11 lbs.

### ADDITIONAL ARM ACCESSORIES\*\*

				
<b>White Arm with:</b>	<b>Yellow and Black Stripes</b>	<b>Red and White Retro-ReflectORIZED DOT Tape</b>	<b>Yellow Padding</b>	<b>Articulating with Yellow and Black Stripes</b>
<b>Arm Length</b>	Aluminum Arm	Aluminum Arm	Aluminum Arm	PVC Arm
<b>9 ft.</b>	-	-	-	MA034* (cut to length)
<b>10 ft.</b>	-	-	-	MA024-10 (cut to length)
<b>12 ft.</b>	MA024 (10 ft. 9-3/4 in. installed)	MA024RDOT (10 ft. 9-3/4 in. installed)	MA025 (N/A)	-
<b>14 ft.</b>	-	-	MA028* (N/A)	-
<b>17 ft.</b>	MA116*** (14 ft. installed)	MA116RDOT*** (14 ft. installed)	-	-

\*\*All Arms shipped as single piece. Installer cuts down to meet site requirements.

\*\*\*Arm requires counterweight (MA117)

†Requires collar adaptor (MA031)

‡Requires Hardware kit