

High-Traffic Commercial DC Barrier Gate Operator

MEGA ARM SPRINT/MEGA ARM SPRINT TOWER

MAS/MAST



MAST

MAS

high-speed, DC-powered barrier gate operators with built-in battery backup

The Mega Arm Sprint and Mega Arm Sprint Tower are DC-powered, high-speed additions to the LiftMaster® family of gate operators. Designed with a 24VDC (1/2 HP equivalent) motor, these models provide exceptional speed, making them ideal for parking applications. Constructed with an aluminum alloy chassis, they're corrosion resistant and light enough for one person to carry and install. The heavy-duty motor supports 10,000 cycles per day with an operator speed of 0.9 second to open or close.

built-in 312HM radio receiver

Exclusive from Chamberlain, a single remote control access solution for gates and additional access points.

no power? no problem!

Built-in battery backup provides seamless operation of the gate operator and all DC control and sensing devices in the event of a power loss.



2 year warranty
electronics and mechanism

10 year warranty
chassis and cover

CHAMBERLAIN

LiftMaster®

PROFESSIONAL

standard features

built-in radio receiver

Includes a factory-installed 312MHz radio receiver for use with DIP switch and Security+® remote controls. This allows for one LiftMaster® remote control to conveniently open the gate and additional access points. Remote controls sold separately.

aluminum alloy chassis

Lightweight, 1/4" rustproof T-6 aluminum alloy chassis for superior heat and corrosion resistance.

built-in battery backup

The system will automatically engage in the event of a power loss and auto-reset to normal operation once power is restored. It provides complete operation of the gate operator, all DC control devices and sensing devices. Alternatively, system can also be set to open on power failure with a 15-second delay.

soft start/stop

Reduces the stress and shock to the gate system during starting and stopping, providing longer gate and operator life.

DC operator system

Powered by a 1/2 HP equivalent 24VDC motor, this system provides exceptional starting torque.

right or left-handed operation

Allows flexibility of arm orientation to be determined prior to or during on-site installation.

breakaway arm

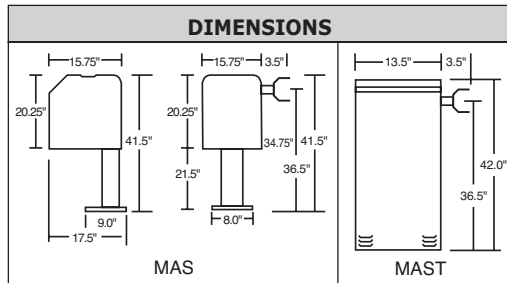
Breakaway arm design protects the operator and allows the arm to be reused time and time again. 8 ft. soft-padded gate arm ordered separately from the operator.

control inputs

Safe, low-voltage control inputs allow the connection of a full range of optional external devices like loop detectors, telephone entry systems, access control systems and radio receivers.

inherent obstruction sensing

Offers separate force adjustments for both open and closed directions. If the gate comes into contact with an obstruction, a closing gate will reverse to open and an opening gate will stop.



LED indicators

Operator input, status and diagnostic LEDs help to simplify setup and troubleshooting.

dual-gate operation

Supports the operation of two separate gate operators in unison at a single entrance, assuring consistent, simultaneous open/close cycle for both operators.

dynamic braking

Especially important on high-cycle gates, the electronic brake system provides total gate position control to ensure consistent gate closing without coasting.

magnetic sensors

Arm position is controlled by a magnet that is mounted on the drive shaft. This is detected by two magnetic sensors on the control board.

timer to close

Adjustable timer may be set between 1 and 33 seconds. The unit will automatically reset upon receiving any additional open commands.

7 amp-hour 12VDC batteries supplied standard

2 needed per gate operator for battery backup power.

optional equipment

sequenced access management system (SAMS)

Provides the capability to sequentially control a slide or swing gate operator in tandem with a barrier gate operator.

heater

Required for cold weather climates that reach 32°F and below. Available in 150 & 500 watts.

slip-clutch mechanism

Gate arm self-aligns if entry is forced up.

programmable output relay

LiftMaster® radio receivers

articulating arm options 9' PVC or 10' aluminum - folding arms

RECOMMENDED CAPACITIES		
HP*	MAX. GATE LENGTH (ft.)	CYCLES /DAY
1/2	8' soft-padded arm	10,000

*equivalent 24VDC

SPECIFICATIONS

OPERATOR SPEED

0.9 second to open or close

POWER

110/220VAC - 50/60Hz

OPERATOR WEIGHT (WITHOUT ARM)

Mega Arm Sprint - 89 lbs.
Mega Arm Sprint Tower - 113 lbs.

ACCESSORY POWER

24VDC 500 MA
Accessory Power
Battery Backup for Accessory Power

UL LISTED



UL325 & UL991 Listed - Class I, II, III and IV

CONSTRUCTION

Gear Reduction: 60:1 Reducer in Synthetic Oil Bath
Motor: 1/2 HP Equivalent Continuous-Duty 24VDC/1800 RPM
Chassis: Powdercoated 1/4" Aluminum Alloy
Cover: Mega Arm Sprint - Plastic
Mega Arm Sprint Tower - Aluminum

ADDITIONAL FEATURES

Universal controller with 8 inputs
Microprocessor electronics
Safety-stop tailgate feature
Ability to auto-open when power fails
Mov/Tranzorb surge protection on inputs
Tailgate alarm - senses tailgating



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