

Residential Swing Gate Operator

SW 420

**reliable gear-driven
swing gate operator for
residential applications**

This compact design supports gate lengths up to 12 feet and gate weights up to 300 pounds. Powdercoated weather-resistant steel enclosure and a high-starting torque motor with built-in overload protection ensure strong, dependable performance. This model is ideal for residential installations and is UL325-compliant.

built-in 312HM radio receiver

Exclusive from Chamberlain, a single remote control access solution for gates and garage doors.

**the LiftMaster® gate logic (GL) board
provides many enhanced and exclusive
features as STANDARD**

- Fully Adjustable Inherent Obstruction Detection System
- Advanced Dual Gate Operation
- "Sequenced Access Management" (SAM) System
- Shadow Loop Input
- Industrial Surge and Spike Protection
- Digital Logic Control Allowing for Long Control Lines of Over 1,000 Feet
- Separate Open and Close External Sensor Inputs
- 17 LEDs to Ease Installation and Speed Diagnostics



**2 year
warranty**

CHAMBERLAIN

LiftMaster®

PROFESSIONAL

standard features

built-in radio receiver

Includes a factory-installed 312HM radio receiver for use with DIP switch, billion code and Security+® remote controls. This allows for one LiftMaster® remote control to conveniently open the gate and garage door. Remote controls sold separately.

inherent obstruction sensing

This unit's internal obstruction sensing system offers separate force adjustments for both the open and closed directions. If the gate strikes an obstruction, a closing gate will reverse to open and an opening gate will stop.

external obstruction sensing

Input connections are provided for external contact and non-contact sensors, such as photo-eyes and edge devices.

advanced dual gate operation

This convenient 2-wire system allows the operation of 2 separate gate operators in unison at a single entrance. This advanced system provides the added convenience of connecting accessories to either operator.

sequenced access management

The sequenced access management (SAM) system provides the capability to sequentially control the operator in tandem with a barrier gate.

digital logic control

Supports long-distance control wiring runs of over 1,000 feet, providing you greater flexibility of gate operator site placement.

LED indicators

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

warning device

UL325-compliant entrapment warning alarm has the ability to be set for pre-operation warning. This will provide a 3-second warning prior to and during gate movement.

loop detector inputs

A full range of inputs are available to support exit, shadow and interrupt loop detectors.

timer to close

Adjustable timer can be set from 1 to 180 seconds. The unit will automatically reset upon receiving any additional open commands.

RECOMMENDED CAPACITIES			
HP	MAX. GATE WT. (lbs.)	MAX. GATE WIDTH (ft.)	CYCLES /HR.
1/3	300	12	10



The in-vehicle universal remote control.

maximum run timer

Protects against damage to the gate and operator by limiting the unit's run time to 120 seconds.

emergency stop button

This one-button station will halt movement of the operator in an emergency situation and comes standard in an outdoor weather-tight enclosure.

maglock control

A dedicated control relay is provided to activate and deactivate an optional magnetic lock for securing the gate.

gear drive reduction

The wormgear 30-to-1 reduction unit is saturated in an oil bath for strong fluid motion of the operator.

control inputs

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.

radio control

Includes a 412HM radio receiver installed inside the cabinet. (Transmitters not included.)

limit settings

All driven limit cams are fully adjustable, adding considerable convenience to unit installation and maintenance.

surge & spike protection

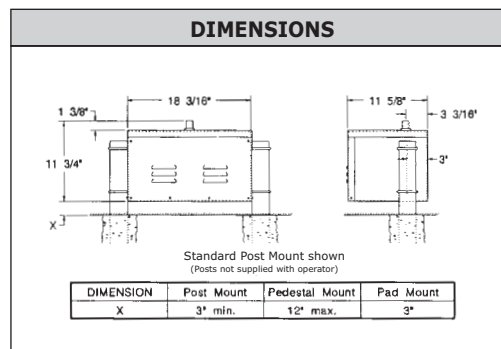
Specially designed circuitry provides excellent protection from external spikes or surges.

quick-release disconnect

This quick-release arm ensures that manual operation is possible during emergencies and maintenance work.

fold-down access door

A fold-down door is incorporated into the design to provide easy access to the electronics for programming and maintenance.



SPECIFICATIONS

OPERATOR SPEED
90-degree swing in
12 seconds

POWER
115/230 VAC,
Single Phase, 60Hz

OPERATOR WEIGHT
110 lbs.

ACCESSORY POWER
One - 24 VAC

UL LISTED
UL991
UL325 - Class I, II, III and IV



CONSTRUCTION

Gear Reduction: 30:1
Wormgear in Oil

Motor: 1/2 HP
High-Starting
Torque Motor

Metal Frame:
Pre-Galvanized Steel

Enclosure:
Weather-Resistant
14-Gauge Pre-Galvanized
Steel

OPTIONAL EQUIPMENT

Auxiliary Limit Switches
Pad Mount Kit
Post Mount Kit
Pedestal Mount Kit
Remote Antenna
Mounting Kit

CHAMBERLAIN®
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PROFESSIONAL

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