

USP™

UNITED STEEL PRODUCTS

Commercial Slide Gate Operator

SL 540



dependable light-duty chain-driven operator for use on commercial high-cycle applications such as office buildings and large residential locations

This gate operator has been designed to deliver years of dependable performance and offers many built-in conveniences, such as dual gate operation, inherent and external obstruction sensing, control inputs for external devices and much more. The SL540 is designed to support gates up to 30 feet in length and weighing up to 900 pounds.

built-in 312HM radio receiver

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

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
- 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



CHAMBERLAIN®

LiftMaster®

PROFESSIONAL

standard features

built-in radio receiver

Includes a factory-installed 312MHz radio receiver for use with DIP switch, billion code and Security+® 315 MHz remote controls. This allows for one LiftMaster® remote control to conveniently open the gate and additional access points. 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.

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.

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.

mechanical braking

The mechanical braking system adds substantial gate position control at all points in travel. This solenoid-actuated brake system also prevents the gate from being back-driven.

limit settings

All driven limit nuts switches 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.

manual disconnect

Ensures that manual operation is possible during emergencies and maintenance work.

hinged access cover

Weather-resistant, lockable, hinged design allows for easy access to the unit's electronics for installation or servicing needs.

SPECIFICATIONS

OPERATOR SPEED
12 inches per second

POWER
115/230 VAC,
Single Phase - 60Hz

OPERATOR WEIGHT
225 lbs.

ACCESSORY POWER
One - 24 VAC

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



CONSTRUCTION
Belt/Chain Reduction:
First Stage 3.5:1 -
Belt Reduction &
Second Stage 5.3:1 -
Chain Reduction

Motor: 1/3 to 1/2 HP
Continuous-Duty Motor

Metal Frame:
10-Gauge Steel

Enclosure: Weather-
Resistant, Lockable,
16-Gauge Steel Cover

Chain:
#40 Nickel-Plated
(20 feet supplied)

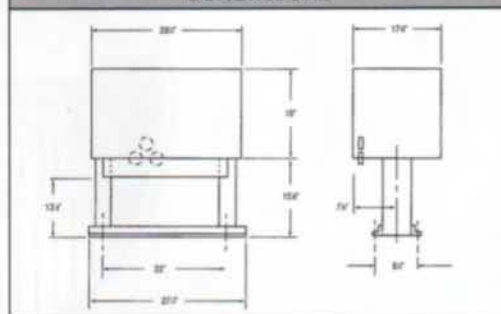
OPTIONAL EQUIPMENT

Plug-in Loop Detectors
Thermostat-Controlled
Heater
Auxiliary Limit Switches
Remote Antenna
Mounting Kit

RECOMMENDED CAPACITIES

HP	MAX. GATE WT. (lbs.)	MAX. GATE WIDTH (ft.) (Overhead)	MAX. GATE WIDTH (ft.) (Cantilever)	CYCLES /HR.
1/3	550	24	16	30
1/2	900	30	20	30

DIMENSIONS



CHAMBERLAIN®
LiftMaster
PROFESSIONAL

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