

# Heavy-Duty Industrial Slide Gate Operator

**SL 595**

**extreme heavy-duty operator designed for industrial locations such as manufacturing plants and truck depots**

The extremely powerful design supports gate lengths up to 90 feet and gate weights up to 2,500 pounds. Fully enclosed NEMA 3R oil-tight, weatherproof, lockable cabinet and a high-starting continuous-duty torque motor with built-in overload protection ensure rugged and reliable performance. This model is ideal for the heaviest industrial installations and is UL325-compliant.



**built-in 312HM radio receiver**

**larger control box**

- Provides ease of access to major components
- Improved terminal strip labeling simplifies installation and saves time
- Common wiring diagram for SL 575 and SL 585 models

**integrated 3-button control station**

- 3-button control station incorporated into the outside of the control box to speed installation and troubleshooting

**external reset button**

- Simplifies resetting the gate operator when alarm is activated
- Meets UL325 requirements

**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**



**2 year warranty**

# standard features

## built-in radio receiver

Includes a factory-installed 312HM 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.

## 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.

## external alarm reset button

This allows for quick reset of the gate operator when the alarm has been activated.

## 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 nut 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.

## external manual disconnect

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

## NEMA 3R enclosure

The SL 595 is housed in an oil-tight, weatherproof NEMA 3R cabinet which is lockable to prevent vandalism.

## hinged access door

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

115/208/230 VAC,  
Single Phase – 60Hz  
208/230/460/575 VAC,  
Three Phase - 60Hz

### OPERATOR WEIGHT

270 lbs.

### ACCESSORY POWER

24 VAC

### UL LISTED

UL991  
UL325 – Class I, II, III and IV



### CONSTRUCTION

Gear Reduction: 20:1  
Wormgear Reducer

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

Metal Frame: 7-Gauge  
Pre-Galvanized Steel

Enclosure: NEMA 3R  
Weatherproof, Lockable,  
Pre-Galvanized 16-Gauge  
Steel

Chain: #50 Nickel-Plated  
(25 feet supplied)

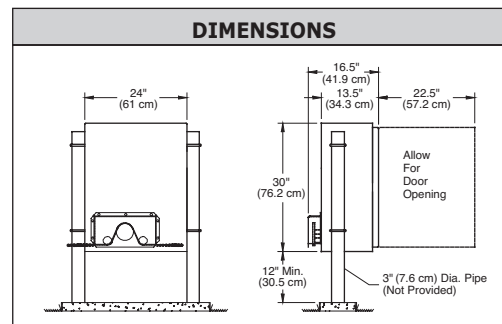
### OPTIONAL EQUIPMENT

Self-Regulating Gearbox  
Heater

Auxiliary Contact Blocks

Remote Antenna  
Mounting Kit

RECOMMENDED CAPACITIES				
HP	MAX. GATE WT. (lbs.)	MAX. GATE WIDTH (ft.) (Overhead/V-Groove)	MAX. GATE WIDTH (ft.) (Cantilever)	CYCLES /HR.
1/2	1100	45	25	25
1	1700	70	35	25
2	2500	90	45	25



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