

Variable Speed Industrial-Duty Slide Gate Operator

VSL 595

Variable speed extreme industrial-duty operator designed for maximum security applications such as Airports, Manufacturing Plants or other areas where securing an opening quickly is important.

Capable of quickly ramping up to speeds as fast as 2.2 feet per second, the extremely powerful design supports gate lengths up to 70 feet and 1700 pounds. Fully enclosed NEMA3R oil-tight, weatherproof, lockable cabinet and a high-starting torque variable speed industrial DC motor ensures rugged and reliable performance. This model is ideal for the heaviest high security installations.



built-in 312HM radio receiver

variable speed motor controller

- Quickly ramps motor up to speeds as fast as 2.2 feet per second

manual disconnect

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

lockable hinged access door

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

integrated 3-button control station

- 3-button control station incorporated onto 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®

2 year warranty

PROFESSIONAL

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 detection system

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.

manual disconnect

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

NEMA3R enclosure

The VSL 595 is housed in an oil-tight, weatherproof NEMA3R cabinet which is lockable to prevent vandalism.

lockable 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

Up to 2.2 ft. per second

POWER

115 VAC,
Single Phase – 60Hz

OPERATOR WEIGHT

270 lbs.

ACCESSORY POWER

24 VAC

CONSTRUCTION

Gear Reduction: 20:1
Wormgear Reducer

Motor: 1 HP
Continuous-Duty DC Motor

Metal Frame: 7-Gauge
Pre-Galvanized Steel

Enclosure: NEMA3R
Weatherproof, Lockable,
Pre-Galvanized 16-Gauge
Steel

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

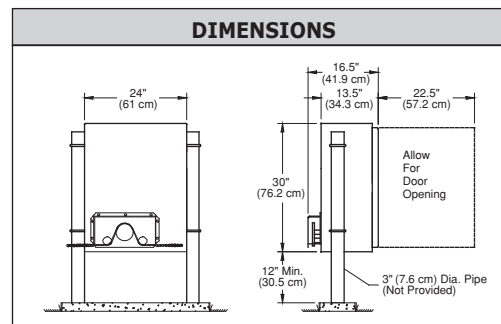
OPTIONAL EQUIPMENT

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 | 1700 | 70 | 35 | 25 |



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