

Sentex SL 590 "SLIDE"



SL 590

The SL 590 is designed for heavy-duty industrial applications where the gate is up to 90 feet long weighing as much as 2500 pounds and handling up to 25 cycles per hour. This gate operator has been built to deliver years of dependable performance by utilizing a high starting torque motor, with built-in overload protection, driven limit switches and a solenoid activated brake. This configuration reduces wear and tear on the operator as well as the gate.

The rugged design of the SL 590 includes the use of a heavy-duty wormgear-in-oil-bath reducer, a NEMA 12 oil tight, weatherproof, lockable enclosure and a delay on reverse feature to reduce shocking the motor. All of your preventative maintenance and service needs have been simplified by SENTEX SYSTEMS' attention to detail. We have incorporated a separate removable enclosure, inside the main enclosure, for the electrical controls and a power train disconnect for manual operation.

At SENTEX SYSTEMS, we understand the concerns associated with gate operation since gates include moving parts and powerful motors. To minimize risk associated with gate installations we have implemented the required guidelines of UL325. The updated Underwriters Laboratory (UL) 325 listing covers many areas of the gate installation. Most of the guidelines are focused on obstruction sensing and how the system reacts to an obstruction. SENTEX SYSTEMS' SL 590 has inherent obstruction sensing that utilizes a Hall Effect sensor to monitor the rotational speed of the drive system during opening and closing. If an obstruction is sensed the operator will stop and then back up, by a pre-determined distance, releasing pressure on the obstruction. This is just one of the many ways that the SL 590 provides you with maximum protection.

To complete a well-planned installation, demand a SENTEX SYSTEMS UL325 listed operator, and you will have the entire SENTEX SYSTEMS team behind you, a team built on our quality and customer service.

Sentex Systems has continued to exceed our customers' expectations through quality products, expert innovation, premium value and superior service. Having recently merged with Link Controls of New York and AccessMaster of Wisconsin (formerly Moore-O-Matic), now the Sentex name means even more to you.

SL 590 "SLIDE"

Full System Capability

The SL 590 can be used with a manual override switch installed at a guard station and/or a 3rd party access control system to permit visitor access. The open request from either system will initiate the appropriate cycle.

Automatic Shut Down

This circuit will automatically shut off the operator. For example, it will prevent the motor from continuously running if the chain has broken.

Inherent Obstruction Sensing

A built-in Hall Effect sensor is used to monitor the rotational speed of the drive system. If this speed changes during opening or closing, the operator will stop and release pressure on the obstruction.

External Obstruction Sensing

In addition to the inherent obstruction sensing, the SL 590 operators provide terminal connections for external devices such as photo eyes.

Obstruction Sensing Alarm

If the operator senses two obstructions during a single cycle, a separate loud audible alarm sounds to alert anyone in close proximity that assistance is required.

Master/Slave Operation

If there is a requirement for two separate gate operators to operate in unison at a single entrance, the SL 590 can be configured as a master/slave and right/left operation to ensure consistent open and close cycle for both operators simultaneously. This configuration is made simple with the utilization of a two wire communication connection.

Gate Movement Warning

For enhanced safety, a built-in warning alarm can sound three seconds before running and during the movement of the gate. This is a selectable item with the use of dip-switch settings.

Long Distance Control Wiring

An external device, such as an exit request, may be connected up to 1000 feet from the operator to initiate the appropriate cycle.

Limit Switches

All driven limit switches are fully adjustable to add convenience to your installation and maintenance.

Built-in Right Hand/Left Hand Selectable

The SL 590 provides a switch to set the operator to be used in a right or left hand configuration. This prevents you from having to make any modifications to the operator regardless of which side of the gate it is installed.

Solenoid-Activated Brake

The solenoid-activated brake is a holding brake to prevent anyone from manually back-driving the operator to force the gate open. The brake also acts as a stopping brake for more precise gate positioning at limit points and at mid-travel stops.

Timer to Close

An adjustable timer (1 – 220 sec.) is used to close the gate after a pre-determined time has expired. A "defeat" jumper is also included in the event the feature is not required.

Delay on Reverse

When the operator has reached its maximum opening point, the SL 590 will delay the return momentarily to prevent shocking of the motor and gate.

Control Station

A one button (Emergency Stop) control station is included pre-assembled, with the unit, for safety and manual stopping operations.

On/Off Switch

An On/Off power switch is included to make installation and servicing easier.

Power Train Disconnect

A power train disconnect is installed for manual operation of the unit in an emergency or during maintenance.

NEMA 12 Enclosure

The SL590 has an oil tight, weatherproof NEMA 12 cabinet, which is lockable to prevent vandalism.

Electrical Controls

The electrical controls on the SL590 are placed in a separate removable enclosure, thus providing simplicity for maintenance.

Specifications

Power Ranges are available in 1/2Hp, 3/4Hp, 1Hp, 1 1/2Hp or 2Hp

Voltage	Hertz	Phase
115	60	1
208	60	1
230	60	1
208	60	3
230	60	3
460	60	3
575	60	3
220	50	1
380	50	3

Cycles:	25 per hr
Max. Length & Weight:	1/2Hp = 0 – 45 Feet @ 1100lbs 3/4Hp = 0 – 60 Feet @ 1400lbs 1Hp = 0 – 70 Feet @ 1700lbs 1 1/2Hp = 0 – 80 Feet @ 2100lbs 2 HP = 0 – 90 Feet @ 2500lbs
Dimensions:	42" H x 24" W x 13 1/2" D (allow an additional 22 1/2" in depth when access door is open)
Warranty:	One Year
Listings:	UL325, Class I, II, III & IV

04/00

