

Sentex SL MAX

The SL MAX is an electronic slide gate operator for heavy-duty high security and/or high frequency industrial installations. It has been designed to deliver years of dependable performance and offers many built-in conveniences, such as master/slave gate operation, dynamic braking, LCD system controls and much more. This operator is designed to support gates up to 90 feet long and weighing a maximum of 3000 pounds.

The SL MAX includes a very rugged design utilizing a heavy duty wormgear-in-oil-bath reducer and a heavy-duty magnetic motor with soft-starts/soft-stops. In addition, all of your preventive maintenance and servicing needs have been addressed by utilizing a swinging tamperproof front door with a heavy padlockable cabinet.

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 MAX has inherent obstruction sensing



SL MAX

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 MAX 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.

Full System Capability

The SL MAX 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.

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 MAX 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

The SL MAX can be configured as a master/slave and right/left operation to ensure consistent open and close cycle for both operators simultaneously when there is a requirement for two separate gate operators to operate in unison at a single entrance. 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.

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.

NEMA 12 Enclosure

The SLMAX has an oil tight, weatherproof NEMA 12 cabinet, which can be locked to prevent vandalism.

Delay on Reverse

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

Dynamic Braking

This brake is used for precise slowing and stopping of the operator. The gear reducer, by stopping back drive, will hold the gate in any desired position preventing the gate from being forced open.

SL MAX

Control Station

A one button (Emergency Stop) control station is included with the unit.

Emergency Disconnect

An emergency disconnect provides easy conversion to manual gate operation should the unit require servicing. To prevent vandalism the cover can be padlocked.

Accessory Power

The SL MAX includes a 24 VAC pre-wired terminal strip for field connection of access control equipment and three 115-volt convenience receptacles that can be used for installation and servicing tools.

Electronic Limit Sensing

The internal limit settings, for positioning of the gate, will not require adjustment or resetting. After manual operation, or a power outage, the SL MAX has the ability to adjust itself through a self-learning circuit.

On/Off Switch

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

OPTIONS

Full Systems Battery Backup

With the full system battery backup, the loss of power is undetectable because the operator supplies back-up power to the complete system. When the battery falls below system requirements, the operator will function one final time to either hold open or hold close the gate (selectable).

Specifications

Power:	1Hp @ 115Volts, 1Ph, 60Hz
Cycles:	30 per hr
Speed:	16 inches per second
Max. Length & Weight:	1Hp = 0 – 90 Feet @ 3000lbs
Dimensions:	30" H x 24" W x 16 1/2" D (allow 22 1/2" for door opening)
Warranty:	One Year
Listing:	UL325, Class I, II, III & IV

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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.

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