

Sentex SW 420 "SWING"

If you are looking for a practical and economical way to secure the perimeter of a residential or light commercial building, than take a look at the SW 420 swing gate operator by SENTEX SYSTEMS. This gate operator has been built to deliver years of dependable performance by utilizing a continuous duty high starting torque motor, with built-in overload protection and driven limit switches. This configuration reduces wear and tear on the operator as well as the gate. The SW 420 is perfect for installations needing to cover driveways of up to 12 feet and with a usage of 10 cycles per hour.

There are many convenient features for you to take advantage of on the SW 420. This unit boasts a rugged design with the application of an harmonic gate arm, heavy duty wormgear-oil-in-bath reducer and a pre-galvanized steel weatherproof enclosure. Also, all of your preventative maintenance and service needs have been simplified by SENTEX SYSTEMS' attention to detail. We have incorporated the gate arm to easily disconnect and a flip down entry panel to make the operator's electronics, gearbox, and motor easy to reach, easy to work on, easier on you.

At SENTEX SYSTEMS, we understand the concerns associated with gate operation since gates include moving parts and powerful motors. For the concern of the installers, maintainance personnel and those utilizing 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.



SW 420

SENTEX SYSTEMS' SW 420 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 SW 420 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.

SW 420 "SWING"

Full Systems Capability

The SW 420 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 SW 420 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 SW 420 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 hard wired 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.

Left/Right Reversing Switch

The SW 420 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.

Quick Disconnect

A quick disconnect is installed for manual operation of the unit in an emergency or during maintenance. For safety and to prevent vandalism this disconnect can be locked.

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.

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.

Flip Down Panel

The control panel on the SW 420 can be easily removed to provide for quick installation and maintenance.

Radio Receiver

A built-in RF receiver is installed internally to be used to open the gate from a distance without having to stop the car and enter a pincode or present an access control card.

Specifications

Power Ranges are available in 1/3 Hp:

Voltage	Hertz	Phase
115	60	1
220	50	1
230	60	1

Cycles:	10 per hr
Max. Length & Weight:	12 Feet @ 300lbs
Dimensions:	11 3/4" H x 18 3/8" W x 11 5/8" D
Warranty:	One Year
Listings:	UL325, Class I

04/00

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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