

Sentex SW 490 "SWING"



SW 490

The SW 490 is designed for heavy-duty commercial and industrial applications where the gate is up to 22 feet long weighing as much as 1000 pounds and handling up to 20 cycles per hour. 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.

What makes the SW 490 the ideal choice is the engineered features designed into each unit by SENTEX SYSTEMS. The rugged design includes the use of a heavy-duty wormgear-in-oil-bath reducer, a pre-galvanized steel weatherproof 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 flip down entry panel to make the operator's gearbox and motor easy to reach.

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' SW 490 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 490 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 490 "SWING"

Full Systems Capability

The SW 490 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 is broken.

Inherent Obstruction Sensing

A built-in Hall Effect sensor is used to monitor the rotational speed of the drive system. If the 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 490 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 together at a single entrance, the SW 490 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.

Delay on Reverse

When the gate has reached its maximum opening point, the SW 490 motor will delay the return momentarily to prevent shocking the motor.

Control Station

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

On/Off Switch

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

Timer to Close

An adjustable timer (1 sec – 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.

Removable Control Panel

The control panel on the SW 490 can be easily removed to provide for quick installation and maintenance.

Specifications

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

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: 20 per hr

Max. Length & Weight: 1/3Hp = 0 – 12 Feet @ 600lbs
1/2Hp = 0 – 16 Feet @ 750lbs
3/4Hp = 0 – 19 Feet @ 900lbs
1Hp = 0 – 22 Feet @ 1000lbs

Dimensions: 18 1/2" H x 27 3/4" W x 13 3/4" D

Warranty: One Year

Listings: UL325, Class I, II, III & IV

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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