

**Sentex  
SW 2000 "SWING"**

The SENTEX SYSTEMS SW 2000 Swing Gate Operator is the right choice for gated entrances requiring an inward or outward motion. It supports gate lengths of up to 18 feet long and weighing up to 800 pounds, and includes a host of advanced operational and safety features.

Why is this the perfect choice? Because it's engineered to be durable, serviceable, dependable, and safe. The rugged design includes 1/4 inch cold-rolled steel chassis with zinc plating, a 1/2-HP motor, temperature resistant gearbox, and a super-tough spin molded ABS plastic housing. Diagnostic LED's, two 115 VAC utility plugs, a quick arm disconnect, and an event memory buffer ensures that installation and troubleshooting are simple.

The SW 2000 is the only swing operator to automatically initiate a telephone call to a pager or the Smart Gate Operator (SGO) Windows software, based on a fault condition or pre-determined maintenance needs. The gate identification and the fault condition, such as maximum run time exceeded or specific amount of open/close cycles, is reported so the appropriate unit can be serviced as quickly as possible. With this advanced feature the call goes directly to the servicing company.

The SW 2000 is provided with intelligent obstruction sensing. The operator will suspend operation immediately if it senses an obstruction. The SW 2000 has one sensitivity adjustment for detecting gate obstruction during opening and a separate adjustment for detecting obstruction during closing. The operator stops then backs up by a pre-programmed distance, releasing pressure on the obstruction. This feature also allows the installer to make allowances for gates that may not be traveling on a level surface.



SW 2000

We understand the concerns associated with the SW 2000 since the gate includes moving parts. The SW 2000 comes standard with dynamic braking, tailgate suppression and intelligent obstruction sensing. We also offer many quality accessories that help in preventing injuries associated with gate operations. Safety devices such as gate edges, visual-warning systems, roller guards, loop detectors, and photoelectric motion sensors, in conjunction with a well-planned installation, all help to reduce potential risk.

Depending on the project requirements, the SW 2000 operator is available in two versions, "B" and "X". Both have the identical feature set with the exception that the "X" has the ability for time-based scheduling, remote management, event recording buffer and the automatic service request call out feature.

*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.*

**SW 2000 "SWING"**

**FEATURES TO "X" MODELS ONLY**

**Automatic Service Request Call**

The operator can be configured to automatically call a pager or the SGO Win software to report a fault condition or when a specific quantity of open/close cycles has occurred. This alone is the difference between a gate operator that sits idle waiting for someone to find the problem and a Smart Gate which initiates the call automatically to let you know the problem.

**Event Record Memory Buffer**

The SW 2000 will store the most recent 1300 inputs, commands, or actions to determine activity at the time of a reported incident or for preventative maintenance. The records can be obtained via the SGO Win software and a standard telephone line and modem. This feature facilitates the diagnosis of a problem and reduces repair time.

**Built-in Clock**

The operator is provided with a battery backed, 365 day clock used for auto lock/unlock scheduling and time/date event record logging.

**Automatic Open & Close Schedules**

The SW 2000 can be configured for automatic cycling twice per day and for holidays (up to 10 total cycles).

**Telephone Line Interface**

The operator has DTMF dialing and detection capabilities and a built-in modem for a low cost, remotely managed system.

**Remote Diagnostics**

The SW 2000 can be contacted remotely to determine the status of each of the operator's inputs and outputs. This speeds the resolution of problems and often eliminates the need for a technician to visit a site.

**FEATURES TO BOTH "B" AND "X" MODELS**

**Automatic Gate Brake**

With the use of an electronic motor brake, the gate will be forced to stop moving when the time expires, or reaches the closure point. For example, the gate time has expired, and the gate should be closed, but instead, coasted into the wall. The "brake" prevents this from occurring.

**Master/Slave Operation**

If there is a requirement for two separate gate operators needed to operate in unison at a single entrance, perhaps sharing a driveway, the SW 2000 can be configured as a master/slave and right/left operation to ensure a consistent open and close cycle for both operators simultaneously.

**Torque Limiter**

The unit is supplied with a torque limiter to prevent the gearbox from stripping when excessive force is used, such as a car trying to push it open.

**Hinged Drag Link Connection**

Makes uphill/downhill installations possible, as well as, allowing installations that are not perfectly aligned from producing undue strain on the operator.

**Time Delay to Close**

Allows the SW 2000, when in the open position, to automatically close after a pre-defined time. For example, program the system to wait 10 seconds before beginning to close the gate, ensuring any vehicle can easily pass.

**Magnetic Lock Control**

A control relay is provided to activate and deactivate a magnetic lock that may be securing the gate(s). A magnetic lock is often used to prevent a person from squeezing their way through the gap between the gates.

**Tailgate Suppression**

If a car enters the loop-detected area during the open cycle, the operator will stop and wait for the car to clear the detector, and then start the closing cycle without going to the full open limit.

**Control Inputs**

The operator has separate inputs for Manual Open, Close and Stop (used for a three button station), Open (used for devices such as Telephone Entry or Access Control), Fire, Radio Receiver, Exit Loop, Interrupt Loop, Shadow Loop, Interrupt Bar and Photo Sensor.

**Cycle Counter**

Keeps track of how many times the gate has been open & closed. If the dealer is providing preventative maintenance based on when a specific number of activations have been reached, the system can be programmed to call the dealer using the Automatic Service Request feature.

**Accessory Power**

The SW 2000 includes two 24 VAC and two 115 VAC power connections. The 24 volt connections are provided for gate operator accessories, such as a radio receiver or loop detector. The 115 volt connections can be used for installation and servicing tools.

**On/Off Switch**

A single gang box is provided with an on/off power disconnect switch pre-installed for connection of 115VAC power into the operator. Connections to switch, utility plugs, and operator are pre-wired making installation and servicing easier and safer.

**LED Indicators**

Provides real-time feedback on system operational and programming characteristics to simplify setup and troubleshooting.

**Lightning Protection**

Physical inputs and telephone line connections are protected against typical voltage spikes, such as phone line variances and lightning. However, in an area where lightning is prevalent, external surge suppressors should also be used to minimize any power hits to the unit.

**Integral Accessory Tray**

A 14 AWG gold zinc plated steel tray provides space for gate operator accessories, such as loop detectors and the power fail option.

**OPTIONS**

**Quick Disconnect Arm**

Allows the controlling arm to be disconnected easily so the cover can be removed for preventative maintenance, servicing, or to open in case of a power fail.

**Access Door**

The SW 2000 can be supplied from the factory with an access door for quicker entry to the electronics where programming and diagnostics is accomplished.

**Specifications**

<b>Gate Specs</b>	Speed:	10' per second
	Maximum Opening:	18 feet
	Maximum Weight:	800 pounds
	Frequency of Use:	Continuous Duty
	Gearbox:	80:1 wormgear reduction
<b>Power:</b>	120 VAC, 60 Hz (using dedicated 15 Amp circuit)	
<b>Dimensions:</b>	23.0" H x 20 1/4" W x 23.0" D	
<b>Warranty:</b>	Three Years (two years on electronics)	
<b>Listings:</b>	UL325, Class I, II, III, & IV	

04/00

