

BG 3000 SERIES

The SENTEX SYSTEMS' BG 3000 Series are full-featured commercial Barrier Gate Operators that can be used in a variety of applications. They can be utilized in a high traffic area where frequent access is required or integrated with another style gate to create a trap, preventing additional cars from entering a specified area prior to the previous car leaving.

There is one main distinction between the BG 3000 Series. The BG 3000 supports a single 12-foot long arm and the BG 3100 affords you up to an additional 12 feet (24 feet total) by utilizing a wishbone configuration on the arm. Whether the operators are used individually or when utilizing the standard master/slave feature, these two configurations will allow the BG 3000 Series to cover the majority of installations from 12 to 48 feet wide.

SENTEX SYSTEMS' parking gates are engineered for long life and durability. With a temperature resist gearbox, a weatherproof cabinet composed of heavy-duty 11 gauge pre-galvanized steel with a baked powder coat finish and a continuous duty 1/2 HP industrial motor, with overload protection. All of your preventative maintenance, programming and service needs have been simplified by SENTEX SYSTEMS' attention to detail. We have incorporated two access doors, diagnostic LED's, two 115 VAC utility plugs, and an event memory buffer to make the BG 3000 Series easy to work on and easier on you.

The BG 3000 Series is the only barrier operator to automatically initiate a telephone call to a pager or the SmateGate (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.

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, maintenance personnel and those utilizing gated 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' BG 3000 Series has one sensitivity adjustment for detecting obstructions during opening and a separate adjustment for detecting obstructions during 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 BG 3000 Series provides you with maximum protection.

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

BG 3000 SERIES

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 BG 3000 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 BG 3000 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 BG 3000 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 braking, the gate will be forced to stop moving when the time expires, or reaches the closure point.

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 BG 3000 can be configured as a master/slave and right/left operation to ensure a consistent open and close cycle for both operators simultaneously.

Close on Loop Clear

Allows the BG 3000, when in the open position, to automatically close after a vehicle has left the 'presence' loop detector.

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 Sensors.

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 BG 3000 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.

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.

Specifications

Motor:	½ Hp – 115 Volts @ 60Hz Single Phase
Speed:	Opens in 4 seconds
Cycles:	100 per hr
Maximum Length:	12 Feet (Single Arm) 24 Feet (Wishbone Arm)
Dimensions:	44" H x 17" W x 17" D
Warranty:	Three Year
Arm Configuration:	Wood Single & Articulated Arm = 12 Feet PVC Single & Articulated Arm = 10 Feet Wishbone Arm = 24 Feet
Listings:	ETL listed to UL325

