

Sentinel PL Series Boom Gate

PLC Controlled boom gate



The very fast opening times of up to 2.7 Seconds allow for a rapid throughput of vehicles. The use of the proven European designed Torque motor eliminates the need for limit switches and reduces the amount of wearing parts.

The inbuilt loop detector and provision for safety PE beams ensure a safe environment for vehicles and pedestrians.

Arming and free exit loops with diagnostic capabilities are an option that can easily be accommodated in the IP65 control panel.

Sentinel PL Series features include:

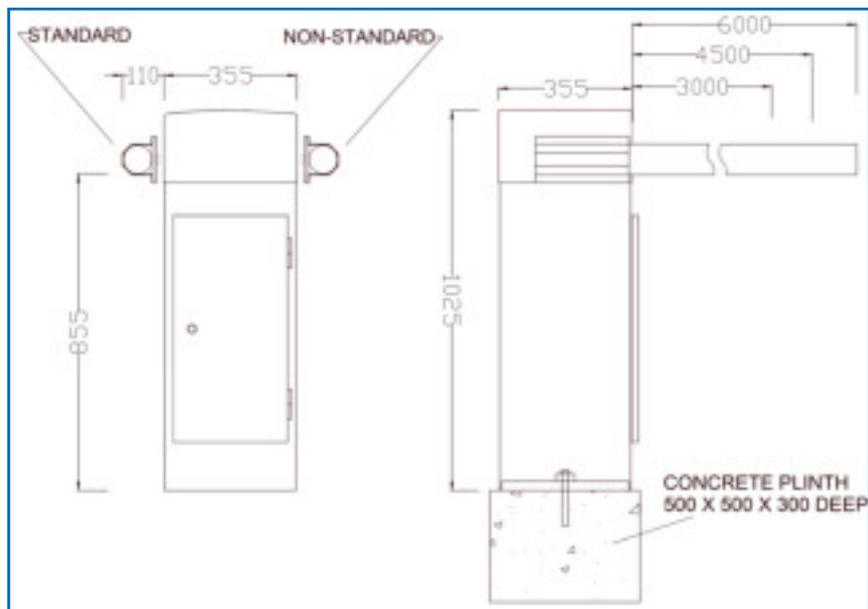
- Inbuilt single channel loop detector
- Traffic light control
- Status indication, gate down / up / moving
- Pre movement warning to activate flashing light or siren
- Adjustable auto close time
- Memory input remembers how many cards have been read and keeps boom gate open until all vehicles have passed
- After crossing the safety loop or PE the auto close can be momentarily delayed to allow vehicles with trailers or caravans time to exit
- Count output to pulse external counter

Technical Specifications

Boom Gate Type	PL 3 Metre	PL 4.5 Metre	PL 6 Metre
Opening Time	2.7 Secs	2.7 Secs	5.5 Secs
Voltage	240V		
Motor Power	60W		
Duty Cycle	100% continuous		
Pole Type	White 76mm round with red reflective decals		
Cabinet	2 mm Zincanneal steel, primed with zinc powder and coated with polyester white powder		

PL400 FL Control Logic Specifications	PL 3 + PL 4.5 Metre	PL 6 Metre	User Selectable
Auto Close Time	0 - 300 Sec	0 - 300 Sec	Y
Safety Loop / PE Time Active After Close Signal (Roll Back Time)	3 Secs	6 Secs	N
Loop / PE Delay After Close Signal	0 - 300 Sec	0 - 300 Sec	Y
Inbuilt Safety Loop Detector Sensitivity	Seven Step Adjustable	Seven Step Adjustable	Y
PE / Loop with Delay on Activation (Filter)	0-300 Sec	0-300 Sec	Y
Pre Close Warning Input (Pre Flash)	0-300 Sec	0-300 Sec	Y
Memory Input			Y
Gate Down Status + Red Light Output			Y
Gate Down Status + Green Light Output			Y
Gate Moving Output			Y
Count Output Pulse to Counter			Y
Mag Lock Control			Y

Dimensions



Rotech supply all forms of door and gate automation

Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Industrial Door Openers
- Solar Powered Gate Openers

Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates
- Rapid Access Gates

Fast | Safe | Secure

Sentinel PL Series Boom Gate Accessories



Foot mounted adjustable support post

This sturdy post supports the boom pole and the height is adjustable on site to allow for kerbs or uneven roadways.



PL 400 handheld programmer

The PL 400 has an optional hand held programmer, this enables quick and simple adjustments to all settings. The auto close time, loop sensitivity and the delay on close function are the most common adjustments changed in the field.



Magnetic lock and post

The foot mounted post can be fitted with an electro magnetic lock to increase the holding force of the boom gate mechanism by 80 kgs.



Radio Controls

The Nova code hopping radio controls offer convenience and security. They can operate at up to 80 metres and 250 transmitters can be coded into one receiver.



Folding support post

This support post is mounted on the boom pole and comprises a hydraulic shock absorber and a height adjustable leg. The shock absorber cushions the load and maintains the pole in a horizontal position



GSM mobile phone control

The G Switch module can be programmed to accept up to 300 different mobile numbers. When the module receives a call from a registered mobile it will open the boom gate but does not incur any call charges.



Articulated arm for low ceiling height applications

The articulated arm is used where there is a height restriction such as underground garages. The maximum vehicle height under the pole is 3100 mm, subject to ceiling height.



RFID card access control

The M2000 controller is a basic system designed to operate two doors or two boom gates. It is a stand alone system and can easily be programmed to void cards using the LCD display on the unit.



Fence

A fence is often used to stop pedestrians gaining entry under the boom pole. In areas where there are numerous pedestrians it is advisable to also fit a warning device such as a buzzer or flashing light.



Coin or token collector

Small car parks often use a coin collector to collect parking fees, these can be programmed to accept different denominations of coin and also tokens.



LD 140 loop detector

The LD 140 loop detector uses cutting edge technology to provide a loop detector with selectable parameters, all programmable from the buttons on the front panel. The LD 140 has all the functions of a normal loop detector plus flexibility and acts as a loop analyser.



LED Traffic Lights

There are two sizes available 100 mm and 200 mm diameter. For access control situations red / green is normally preferred but red / green/ amber are also available.



Surface mounted vehicle detector loops

These are used in applications where it is not possible to cut into the road surface to fit a conventional ground loop wire.



Warning lights and audible alarms

Various types of amber warning lights can be fitted to the boom gate cabinet and onto the boom pole. Many types of audible alarms can be fitted and can be operated on their own or in conjunction with the warning lights.