

GR 200



The GR 200 is a entry level system functionally compatible with motorized tripod turnstiles but with the performance and convenience of a security gate.

The clear passage and fast opening speed of the gate enables high throughput while sensors monitor the traffic, making passage safe.

This makes the GR 200 suitable for low risk area with high traffic, such as controlling admission to recreational and leisure facilities or monitoring attendance in factories.

Admitting Entrance

The GR 200 is designed to replace tripod turnstiles in entrance control applications. Compared to motorized tripods, the GR 200 offers a faster, safer and friendlier passage, requiring less units and reducing total cost in dealing with the same amount of traffic.

- Barriers retract into the cabinet to provide a clear passage for user to pass through without hindrance.
- The fast reaction time of the barriers and the ability to remain open during continuous use ensures high throughput.
- Passage is monitored for safety in compliance with CE regulation. The barriers retract when it detects or encounters an obstruction in its path.
- High visibility barrier with backlight informs user of status and alert guards to intrusions.
- Brushless DC motor used in driving the GR mechanism has the advantage of being silent, with low EMF emission and a long service life.

Operation:

The gate barriers are closed at idle. Upon receiving an authorized signal, the barriers retract fully into the cabinet to provide a clear passage for user to enter without hindrance.

The barrier will close after the passage has been completed. If the user did not pass through, the barriers will close after a predetermined time-out.

Passage:

Passage in is both directions, electronically controlled with independent input.

Continuous passage:

To increase throughput, the barriers will remain open for as long as there is authorization, only closing after all authorized passages has completed or the time out has elapsed.

Detection:

The gate utilizes through-beam photocells to monitor activities within the passageway. Through-beam photocells provide better performance against fraud and enhance fault detection.

Security:

If an unauthorized person attempts to enter from the opposite direction, the gate will try to close and activates the alarm.

Passage complete:

Upon completion of an authorized passage, a signal is sent to the control system to register the transaction. No signal will be sent for passage initiated but not completed.

Working with the control system, the passage complete signal prevents fraud and enable Anti Pass-back security protocol to be initiated.

Safety:

The barriers retract when the bean of safety photocells between the barriers has been blocked, or when the barrier encounters an obstruction.

The number of safety photocells and the sensitivity of the barrier in detecting obstruction can be programmed from the controller.

Alarm:

When triggered, an audible alarm will sound to alert the security guard. Flashing LED at the ends of the gate will make easy identification of the passage in alarm.

Throughput:

55 persons per minute.

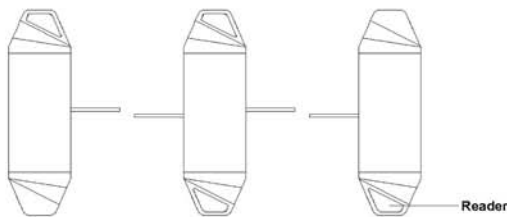
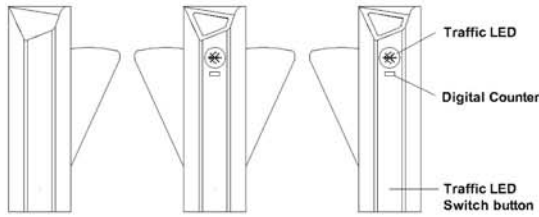
Fail Safe:

During power failure or emergency, the gate reverts to a fail safe state where the barriers retract to provide a clear passage for escape, without the use of a battery.

Traffic Control:

The gate can work as an entrance, an exit, bi-directional passageway or controlled in one direction with free passage in another. Traffic flow can be directed and optimized by configuring the control.

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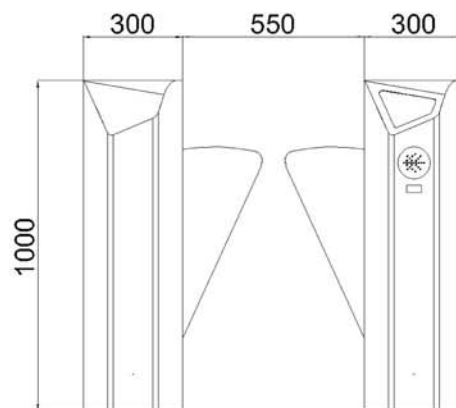
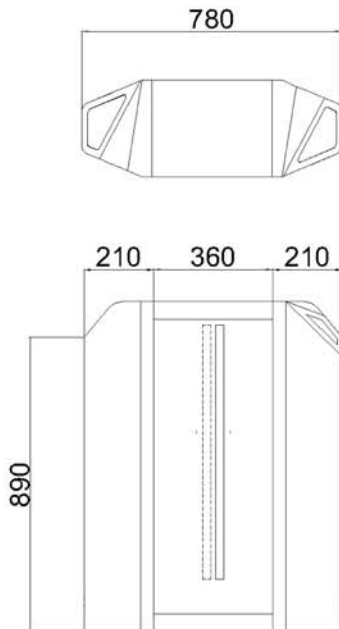
Mechanical characteristics

Cabinet :	Powder Coated Steel (RAL 7004) 304 grade Stainless Steel
Barrier:	12 mm clear Polycarbonate panel with optional LED backlight.
Reader opening:	Acrylic window with bracket underneath.
Color:	RAL 7004 Light Grey (default), RAL1033 Yellow, RAL7031 Blue Grey, RAL9003 White.

Electrical characteristics

Power supply:	110-240 V, 50/60Hz.
Consumption:	70 W (min.) 120 W (max.)
Operating temperature:	0 to 45° C.
Traffic light	Green ← or Red X traffic lights. Red X flashes when alarm
System Connectivity:	Potential free contacts (Compatible with most access control systems).
Controller:	Microprocessor controller which allows parameters governing operation and to be programmed onboard, without the use of external device.

GR 200 Dimensions



Cabinet Length:	780 mm
Cabinet width:	300 mm
Cabinet height:	1000 mm
Passage width:	550 mm



Our turnstiles are CE approved and complies with EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC; and are designed to:
 prEN 12650 – 1: Powered Pedestrian Doors •Part 1
 prEN 12650 – 2: Powered Pedestrian Doors •Part 2: Safety at powered pedestrian doors