

Fastlane Glasswing

Key Features

■ Pedestal Dimensions	Compact	Standard	Wide
	(L) 1252 mm / 49.2"	(L) 1252 mm / 49.2"	(L) 1252 mm / 49.2"
	(W) 308 mm / 12"	(W) 370 mm / 14.6"	(W) 452 mm / 18.9"
	(H) 960 mm / 37.75"	(H) 960 mm / 37.75"	(H) 960 mm / 37.75"
■ Lane Width	550 mm / 21.65"	660 mm / 26"	914 mm / 36"
■ Shape of Unit	Square End (Elliptical option available)		
■ Number of Infra-red Beams	24		
■ Barrier Type	Glass panels that retract inside the pedestals		
■ Barrier Position	Middle of Pedestal		
■ Barrier Height	Standard – ½ Height Options – None		
■ Primary Operating Mode	Barriers Extended (Normally Closed)		
■ Wheelchair Access	Wider pedestal required with longer barriers Additional cost implication		
■ Distance to *			
Detect Tailgaters	5 mm / 0.25"		
Physically Impede Tailgaters	300 mm / 12"		
■ Speed of Throughput	1 person per second (subject to access system)		
■ User Display	Tri-Colour End of Lane LEDs		
■ Customisable Features	Vanity Tops at extra cost (Standard: Low iron white backed glass) Elliptical pedestal ends Glass can have company logo on it at extra cost Enclosure Materials at extra cost		
■ Safety Features	8 Safety Beams, Fire Alarm Input, Failsafe Option		



Fastlane Glasswing uses glass barriers in conjunction with state of the art optical technology to provide a high throughput security gate. The glass barriers are designed to work in a normally closed mode and retract inside the pedestal after a valid card has been presented to allow the authorised user to pass. The fast moving glass barriers close behind the authorised person to deter tailgaters. The barriers are positioned in the middle of the pedestal to allow true bidirectional control and automatic free exit if desired

3 variants are available: Compact, Standard and Wide; giving a lane width anywhere between 550 mm to 914 mm. The Compact is a cost effective solution for areas with space constraints and allows for lanes of 550 mm. The Standard variant gives a wider lane width of up to 700 mm, which is greater than the industry standard and provides greater flexibility of movement to users, particularly when they are carrying briefcases etc. The Wide variant is designed for wheelchair accessible lanes, giving a lane width of 914mm.

Versatile

The Glasswing has five modes of operation:

1. Normally Closed (Barriers extended), 2. X Mode (Barriers partially extended), 3. Optical Mode (Barriers permanently retracted), 4. Lane Closed Mode (Barriers permanently extended), 5. Auto Mode (Barriers extended). X mode provides for a more open look to the foyer as the arms are partially retracted. This can speed up free exit as there is less distance for the barriers to travel to provide a fully open lane but it does not diminish security as there is still a discrete presence of a barrier and the fast moving barriers are designed to close the lane as soon as someone enters the mouth of the lane without a valid access token.

User Friendly

The Fastlane Glasswing features a throughput management system. When activated the barriers stay open after an authorised entry for a defined period of time to await another authorised card. This inhibits the need for the barrier to open and close in between authorised people at peak traffic times. The Glasswing is designed to provide a wider lane than the industry standard for speedgates thereby allowing easy access through the system and minimising the chance of damage to the unit from briefcases and other large items.



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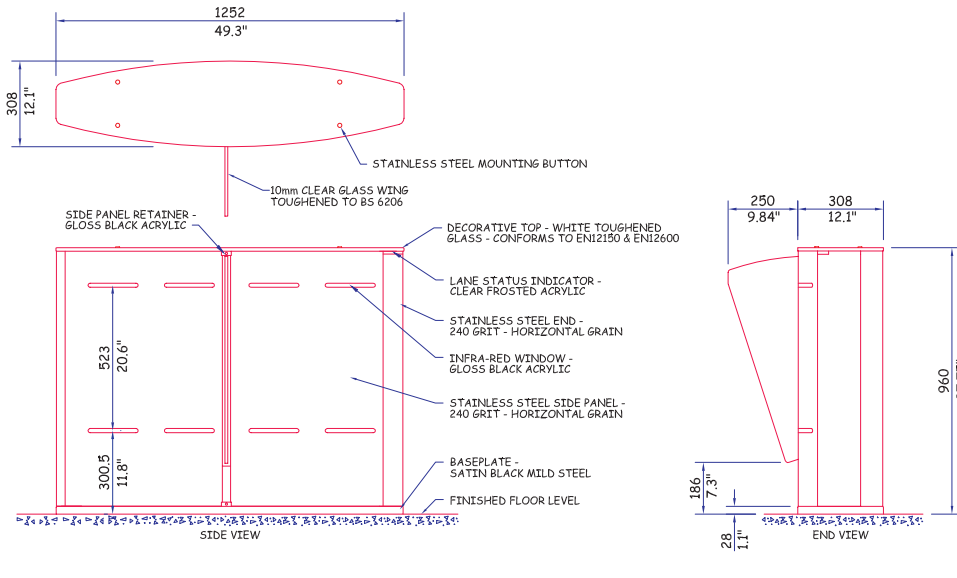


Setting New Standards In Entrance Control



Technical Specifications

Unit Information Compact Variant



Power Requirements:

Mains Power requirement 100- 240Vac 50Hz-60Hz, 120VA
 Low Voltage Outputs to Turnstile:

- a) 24V dc for Master Motor Drive & Fastlane CPU, current approx 2A peak
- b) 24V dc for Slave Motor Drive, current approx 2A peak

Optics:

Optical Turnstile – 18 pulsed multi infra-red beam paths (24 beams), synchronised for detection.

Barrier Safety – Pulsed multi infra-red beams.

Environmentally hardened to avoid sunlight interference.

Display:

Tri-colour 'end of lane' LED display

Sounder:

Single Tone Sounder: Card Authorisation

Multi Tone Variable Volume Sounder: Alarm Condition

Inputs:

Require voltage-free contacts (current sense 1mA typical)

Entry Request (NORMALLY OPEN closing for 1 second)

Exit Request (NORMALLY OPEN closing for 1 second)

Visitor Access (NORMALLY OPEN momentary pushbutton)

Fire (Opto-Coupled Input 12-24Vdc @25mA nom)

Outputs:

Voltage free relay contacts rated 0.5A, 28V dc in two

Groups for the following functions:

Output to System:

Entry (NORMALLY CLOSED opening for 1 second)

Exit (NORMALLY CLOSED opening for 1 second)

Alarm (NORMALLY CLOSED opening for 1 to 16 seconds)

Flow Control and Alarm Outputs:

Ready for Entry (NORMALLY CLOSED), NORMALLY OPEN, COMMON Poles)

Ready for Exit (NORMALLY CLOSED, NORMALLY OPEN, COMMON Poles)

Remote Alarm (NORMALLY OPEN)

Operating Modes:

- Card In/Card Out • Card Entry/Free Exit
- Free Entry/Card Out • Free Entry/Free Exit
- No Entry/No Exit • Auto Entry/No Exit

Opening/closing time: from 1/2 second minimum

Speed of Throughput: 1 person per second maximum

Tailgate Detection Distance: 5 mm (0.25 inch) minimum

Turnstile Operation:

As Defined in the Factory Acceptance Test Specification

Compact Barrier Glass Width: 250 mm (9.84")

Standard Barrier Glass Width: 314 mm (12.4")

Wide Barrier Glass Width: 400 mm (16")

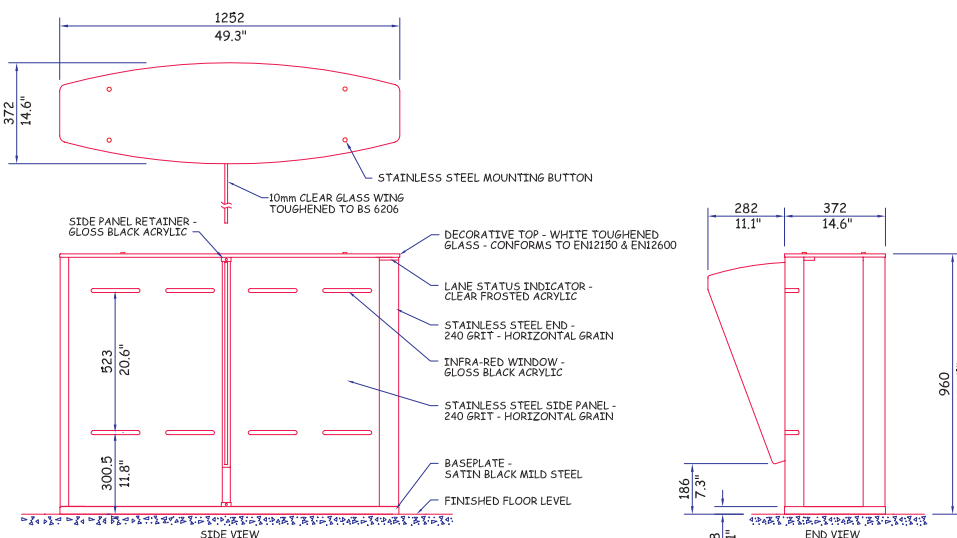
Compact Pedestal Weight: 75 kgs approx

Standard Pedestal Weight: 85 kgs approx

Wide Pedestal Weight: 100 kgs approx

Specification subject to change without prior notice.

Unit Information Standard Variant



Visitor Management

The Glasswing features a Visitor Management input. When activated this allows an unlimited number of people to pass through the lane. Once the visitors have entered and the system no longer sees anyone entering or exiting, after a period of time it returns to its secure state.

Reliability

Glasswing has been designed with easy installation and low maintenance in mind. Glasswing can be integrated into any existing access control or building management system and can be used in conjunction with most card and biometric readers. Glasswing builds on Fastlane's proven track record of over 3000 systems installed worldwide over 15 years.



Manufactured by: Integrated Design Ltd

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*Subject to speed of users Installation photos may not represent current production models

Accessories and Optional Extras

Fastlane Floor Protector

The Fastlane Floor Protector system is designed for temporary installations and enables Fastlanes to be installed quickly and cost effectively without drilling.

Fastlane Infill System

The Fastlane Infill System is a series of decorative modular panels, which complement the Fastlane speedgates by guiding users in the desired direction.

Fastlane Remote Control

This desk mounted controller is designed to allow the guard to override some of the features of the Fastlanes, facilitate visitor entry and to give a visual indication of alarms at the guard desk.

Card Reader Mounting

A number of alternative card reader mounting options are available.

Alternative material and colour finishes

IDL offers a full design service for custom enclosures, as well as alternative colours and materials.

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CENTAMAN Systems

Sydney (02) 9906 7522
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sales@centaman.com.au
www.centaman.com.au