Speedgates

Fastlane® Glasswing

Elegance and intelligence, defined

Fastlane Glasswing® is an optical turnstile with retracting glass barriers, uniquely available in three widths. It combines advanced optical technology with elegant wing-shaped barriers for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

COST	BARRIER TYPE			FOOTPRINT
$ $ $ $ $	GLASS	ARM	OPTICAL	

Advanced intelligence

Fastlane turnstiles have an advanced architecture based on distributed intelligence. An infrared beam matrix engineered with multiple microprocessors monitors pedestrian movement with pinpoint accuracy, detecting tailgaters as close as ¼" apart. Inherently more secure, this technology also enables the fastest entry and minimizes false alarms.

IP enabled

Glasswing features Fastlane Connect™, a TCP/IP communication and control system that enables Web-based lane control from any PC, tablet, or smartphone.

Operation

Glasswing is designed to work in a normally closed mode, opening only after an access system approval. The glass barrier retracts into the pedestal. Barriers then either:

> Close quickly behind the authorized person to deter tailgaters
> Stay open for immediate additional authorized users passing in either direction

Glasswing will automatically sound a local alarm if someone enters without authorization.

> Efforts to push down the glass barriers will sound a second, louder alarm
> A secondary relay can trigger CCTV, lock doors, or control elevators.

User-friendly and safe

Glasswing barriers feature variable torque and speed settings to tailor the units to specific applications. Barriers automatically:

> Slow to a crawl to avoid contact when safety beams sense an object in the way

Optionally, barriers can be configured to open in the exit direction upon fire alarm or power outage.

High security	**Pinpoint accuracy**	**Fastest entry**	**Unsurpassed elegance**	**Field-proven reliability**
Advanced technology for superior access control	Intelligence virtually eliminates false alarms	Greater return on investment	Refined, slim designs accentuate lobby	Uptime and long lifetime improve bottom line
> Detects tailgaters following behind authorized personnel	> Differentiates body mass from smaller objects	> High processing speed reduces traffic build-up	> Glass barriers provide secure and welcome entry	> Fewer failures mean lower repair costs
> Glass barriers are a visual and physical deterrent	> Increases acceptance, avoiding guard tune out	> One person per second minimizes lanes required	> Sleek pedestals come with square or elliptical ends	> Minimizes need for extra guards

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Materials

> Gates: toughened glass (to BS 2606)

> Side panels and end caps: 304 stainless steel with a horizontal grain (240 grit)

> Tops: Low iron white-backed glass

> Beam windows: Perspex® 962

In addition to a choice between elliptical or square pedestal ends, a variety of premium and custom options are available to ensure Fastlane complements building aesthetics.

Visitor management

Fastlane features an optional visitor management input. When activated, unlimited access is allowed for a designated period, after which the system returns to its secure state.

Disabled access

Fastlane is compliant with ADA as well as most international standards. The wide model allows for wheelchair or cart access. Audio/Visual feedback is standard.

Options/Accessories

> Fastlane Technical Services

> Fastlane Floor Protector

> Fastlane Infill System

> Fastlane Remote Control

> FastScan™ Tenant/Visitor System

> Multiple Reader Mounting Options

Please see Fastlane accessories data sheets for additional details.

Technical specifications

Pedestal dimensions (standard and ADA)

> Height: 37.75" (960 mm)

> Length elliptical ends: 59" (1,500 mm)

> Length square ends: 49.3" (1,252 mm)

> Width narrow: 12.1" (308 mm)

> Width standard: 14.6" (370 mm)

> Width wide: 17.8" (452 mm)

Barrier glass dimensions

> Narrow: 9.84" (250 mm)

> Standard: 12.4" (314 mm)

> Wide: 16" (400 mm)

Lane width

> Narrow: 21.65" (550 mm)

> Standard: 26" (660 mm)

> Wide: 36" (914 mm)

Opening/closing time

> 1/2 second minimum

Speed of throughput

> 1 person / second (subject to response time of access control system)

Tailgate detection distance

> 1/4 inches (5 mm) minimum

Sounders

> Single tone sounder: card authorization

> Multi-tone variable volume sounder: alarm condition

Display

> Tri-color LED display

Optics

> Optical turnstile - pulsed multi-infrared beam array, synchronized for detection

> Barrier safety - pulsed multi-infrared beams

> Environmentally hardened to avoid sunlight interference

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

Power requirements

> Input: 100-240 V AC, 50-60 Hz, 120 VA

> Output: 24 V DC, 2 amp peak current for master motor drive and CPU

> 24 V DC, 2 amp peak current for slave motor drive

Inputs

> Require voltage-free switching (current sense 1 mA 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 12-24 V DC at 25 mA nom)

Outputs

Voltage free relay contacts rated 0.5A, 28 V 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)

Ethernet Connection

> RJ45 port

Certifications

> UL 2593

> CSA C22.2 No. 247

> UL 60950-1, 2nd edition
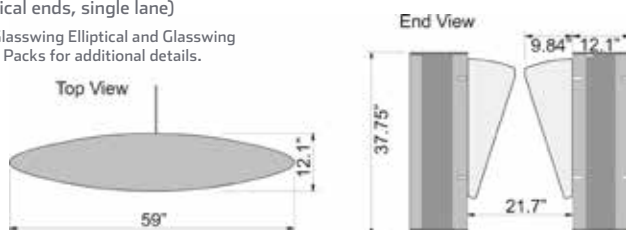
> CSA C22.2 No. 60950-1-07, 2nd edition

Due to continuous improvements, specifications are subject to change without prior notice.

Details

Glasswing dimensions

(narrow, elliptical ends, single lane)

Please see the Glasswing Elliptical and Glasswing Square Drawing Packs for additional details.

Top View

59"

12.1"

End View

9.84" 12.1"

37.75"

21.7"

With thousands of systems installed on 6 continents, Fastlane is a world leader in elegant and intelligent optical turnstiles.

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