



The Security Dilemma

In business, public services and the leisure industry there is an ever growing challenge for Facility and Security Managers to provide secure, efficient and user friendly buildings. The need is to provide employees with a safe environment to work in and to protect the assets and information within the building. Yet the entrance to a commercial facility must be aesthetically welcoming and easy for staff and visitors to use and Security to manage.

The Solution

IDL's Fastlane Entrance Control range offers a number of options to Facility and Security Managers to perfectly balance these issues. The concept behind all these options is to create a secure perimeter just inside the building to ensure only authorised people progress further in to the building, thereby creating the secure working environment required. Additionally, internal doors to sensitive areas can be monitored and controlled for maximum security where it matters most. The Fastlane design concept allows a flexible approach to providing effective access control in areas where previously security had been desirable but the associated aesthetic implications had been unwelcome or prohibitive. Fastlane brings you the very latest in high tech entrance technology for the modern business environment.



Optical Turnstiles

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■ Concept

Fastlane is a state of the art 'optical turnstile', which replaces the need for an obtrusive physical barrier by utilising active infra-red beams to create an invisible electronic field between two pedestals, monitoring the passage of every individual entering and leaving a facility.

■ Secure

Fastlane optical turnstiles function automatically and will alert security staff to all unauthorised entry attempts by triggering an audible alarm and controlling other security measures such as lighting, activating CCTV systems and locking doors. Fastlane will activate an alarm in the event of an illegal action i.e. if an unauthorised person attempts to enter.

■ Aesthetic

Fastlane's discreet presence offers unrivalled benefits in terms of aesthetics and design flexibility. The pedestals can be custom designed to complement the most diverse design concepts, providing a welcoming and non-confrontational entrance to staff and clients alike, ensuring the ultimate in architectural flexibility and security.

■ User Friendly

The absence of a cumbersome physical barrier ensures fast throughput and unrestricted movement for all personnel, with safe disabled access and emergency egress.



Classic Entrance Control

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■ Concept

The cost effective Fastlane Classic Entrance Control range is made up of tripod turnstiles and passgates for disabled access. The architecturally inspired enclosures make minimal impact on the building design and have the flexibility of custom finished tops to help blend into the building fabric.

■ Ease of Use

The Fastlane tripods are based on a smooth reliable mechanism which is available in either motorised or non-motorised version. The mechanism is self-centring to make sure that the unit returns smoothly to its home position and the electronic braking system is designed to ensure the unit does not lock up on users and therefore maintains consistent high throughput rates. The motorised version speeds up throughput while further facilitating the use of the tripod turnstile.

■ Flexible and Safe

Attractive motorised glass panelled passgates, designed to complement the Fastlane tripod enclosures can be added to the system to create passages of up to 2 metres in width for wheelchair or trolley access. In the event of power fail the tripod turnstiles have a failsafe design to turn freely for emergency egress.





Barrier Arm Optical Turnstiles 3

Speedgates 4

Door Detective 5

■ Concept

Combining the best of optical turnstiles and physical barrier technology. Fastlane *plus* uses state of the art optical technology to monitor the passage of every individual entering and leaving a facility, combined with fast-acting barrier arms to physically deter unauthorised access.

■ Secure

The barrier arms of Fastlane *plus* have a closing time of 1/2 second. This, combined with its safety beams, allows the system to close on tailgaters as close together as 15 cm. Additionally, the system features a fire alarm input that allows the barrier arms to be automatically retracted in the event of an emergency.

■ Discreet

Fastlane *plus* offers the most discreet barrier solution available on the market with pedestal dimensions of less than 1 m by 16 cm. The pedestals can also be custom designed to complement the most diverse design environments, providing a welcoming and non-confrontational entrance to staff and clients alike. Using Fastlane *plus* ensures the ultimate combination of architectural flexibility and security.

■ Concept

The Fastlane Speedgate range is the very latest in high tech entrance control systems and is designed to provide an increased deterrent effect over the Fastlane *plus* range.

The units have a contemporary design combining stainless steel, glass and the option for decorative tops made of virtually any material; this makes the Speedgate range the ideal choice for modern office buildings where a high speed entrance control system is required to create an open, secure environment and match the building design.

■ Secure

Fastlane Speedgates come with intelligent anti-tailgate detection systems to monitor each individual who enters the building combined with glass barriers to physically deter unauthorised access. The glass barriers are available in different heights to help balance the aesthetic and security requirements of most sites. The Speedgates are available with either fast-acting retracting barriers or a swinging glass door mechanism.

■ Safety

The Fastlane Speedgates can integrate with a fire alarm system so that in an emergency the barriers automatically open in the exit direction to allow for free emergency egress. In a power failure, the barriers can be configured to fail safe.

■ Concept

Fastlane Door Detective is designed to increase the level of security at any door that uses access control. The Door Detective creates an infra-red field across a doorway to monitor the passage of every individual passing through the door, thereby detecting unauthorised entry and tailgating.

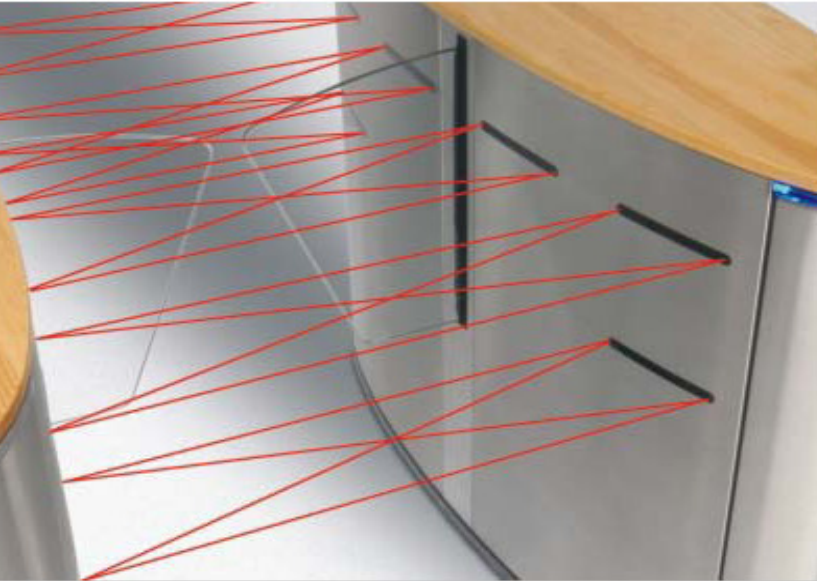
■ Secure

Door Detective maximises the investment in any access control system by raising the security level of any door it is used on. Door Detective helps the access control system overcome the age old problem of controlling how many people pass through a doorway, and in which direction, once a valid access card has been presented.

Most access control systems allow you to control which cards work at which doors, but once a door is open any number of people can pass through it without presenting a card. Following an authorised user through a door is known as tailgating and it is very easy to do. We have all been told that it is good manners to hold doors open for other people and more often than not good manners win over the good security practice of closing the door firmly behind you to stop someone else coming in; intruders may therefore be willingly let in to a secure area and the access control system is beaten. Door Detective solves this problem by ensuring each individual who passes through a door must present their access control card.

Door Detective is like having a guard at a door 24/7





■ Advanced Intelligence

At the heart of a Fastlane system is a multi infra- red beam matrix coupled with a custom designed microprocessor using a neural network to run an opinion -forming "entity management" system.

The advantage of this new system is that it 'thinks' in real time. When beams are broken the system analyses the speed and pattern of the beam breaks and then links associated beams breaks to entities. The result is that the system can accurately position the size, shape and speed of individual entities in the lane. By accurately positioning entities in the lane the system can accurately detect tailgaters as close together as 5 mm.

The new technology allows the system to operate more safely as it forms an opinion as to whether the barriers' can safely be closed based upon knowing where the people are in the lane, how big they are and how fast they are moving in relation to the barriers position; this reduces the chance of a collision between the users and the barriers and it has the added benefit that the barriers can close more tightly behind authorised users thereby closing the lane to unauthorised users.

Another advantage of being able to track multiple entities in the lane is that the system does not have to wait for one authorised user to pass through the lane before a second authorised person can begin to be processed. This generates much faster throughput rates.

Finally, if additional beam breaks occur whilst an entity is in the lane the system decides whether they are associated with existing entities in the lane or represent new ones entering the lane. This results in many fewer false activations from umbrellas, briefcases, coats etc.

■ Reliability

The Fastlane Entrance Control range has been designed with easy installation and low maintenance in mind. Fastlane can be integrated into any existing access control or building management system and can be used in conjunction with most card and biometric readers. Fastlane's proven track record of over 1500 systems installed across 5 continents has been built up over a period of more than 10 years.

■ 2-Stage Alarm Response

Many of the Fastlane units feature a 2-stage alarm system. In the event that someone enters without an authorised card an initial alarm will sound. If that person then attempts to push past the barriers then a second louder alarm will be activated and a relay is triggered which can be used to initiate a higher security response mechanism such as CCTV.

■ Visitor Management

Many of the Fastlane units feature 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.

■ Disabled Access

The Fastlane Entrance Control range has been designed to comply with most international disability regulations such as the UK DDA and the USA ADA. All Fastlane systems can be configured to allow for wheelchair width lanes and the units feature audible and visual feedback to cater for the hard of hearing or visually impaired users. Please consult with your vendor on how best to design the system to allow for disabled access for your particular product choice and configuration.

A number of accessories and optional extras are available to complement the Fastlane range to simplify installation and operation.

■ Optional Extras

Fastlane Infill System

The Fastlane Infill System is a series of decorative modular panels, which complement the Fastlane range by guiding users in the desired direction. This is available in both a fixed and freestanding version.

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.

Fastlane Floor Protector

The Fastlane Floor Protector system is designed for temporary or sensitive installations and enables Fastlanes to be installed quickly and cost effectively, without drilling or otherwise damaging the floor on which they stand.

Card Reader Mounting

A number of card reader mounting options are available.

Alternative material and colour finish

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

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