

Fastlane *plus* Barrier Arm Optical Turnstiles

Advantages

- **More Secure** – Up to 20 beam IR detection matrix provides unsurpassed tailgate detection and deterrence; tailgaters are detected following as close as 5 mm behind authorised users and are deterred by a physical barrier if they are as close as 150 mm behind. The 2-stage alarm response provides an early audible warning alarm followed by a secondary output for a higher security response e.g. to trigger CCTV or lock doors.
- **Fastest Throughput** – Means a greater return on investment. 1 person per second often means fewer lanes are required, and less wasted time in queues which leads to greater user acceptance.
- **Unsurpassed Accuracy** – Virtually eliminates false alarms. The intelligence of Fastlane *plus* enables the system to differentiate between body mass and small objects such as umbrellas etc. This increases user and guard acceptance, avoiding “tune-out” and frustration from excessive false alarms.
- **Most Aesthetic and Streamlined Design** – Fastlane *plus* is an architect-inspired solution; with 965 mm by 162 mm enclosures, it takes up less space than other systems. The units for wider disabled lanes are the same width as all other pedestals. IDL offers a full design service for custom enclosures, as well as alternative colours and materials.
- **Easiest Installation and Ongoing Maintenance** – CAT 5 interconnections provide plug ‘n’ play simplicity. Industry proven technology and onboard diagnostics to ensure maximum system up-time.
- **Safety** – Fastlane *plus* features multiple safety beams designed to stop the barrier arms from colliding with users. The units feature a Fire Alarm input to allow for safe, unimpeded emergency evacuation and the 400 series features unique self-resetting break away arms for safer operation.

Disabled Access

Fastlane *plus* is fully compliant with the UK Disabilities and Discrimination Act (DDA), as well as most similar international standards. Audio/Visual feedback is provided as standard and the lane provides for unhindered wheelchair access without the need for a separate passgate.

Concept

Fastlane *plus* is the very latest in high tech entrance control systems. The system uses state of the art optical tailgate technology to monitor the passage of every individual entering and leaving a facility and fast acting barrier arms to physically deter unauthorised access. This unique combination of technologies provides all the ease of use and aesthetic qualities associated with Fastlane, the world’s leading optical turnstile range, with the added protection and deterrent effect that physical barriers provide. Clients and employees alike pass through Fastlane *plus* with speed and safety while unauthorised entry attempts are identified. The intelligence of Fastlane *plus* combined with the speed of activation of the barrier arms enables the system to have a minimal footprint thereby ensuring a discreet presence and minimal impact on the building design.

Secure 2-Stage Alarm Response

Fastlane *plus* functions automatically and in the event that someone enters without presenting an authorised card an alarm will sound and the barriers will activate to deter the unauthorised entrant. If that person then attempts to push past the barrier arms then a second, louder alarm will sound and a secondary relay will be triggered, which can be used to control stricter security actions such as triggering CCTV, locking doors or controlling elevators. As well as monitoring for unauthorised entry and exit, Fastlane *plus* can also detect tailgating, collusion, obstruction, non-entry and assist any anti pass-back features in the access control system.





Advanced Intelligence

Fastlane *plus* uses 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 beam 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 be safely 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 faster 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 while 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

Fastlane *plus* has been designed with easy installation and low maintenance in mind. Fastlane *plus* 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 *plus* builds on Fastlane's proven track record of over 1500 systems installed worldwide for more than 10 years.

Variations

Fastlane *plus* is available in a number of different models. Variations include:

Performance: Fastlane *plus* is available with 2 performance variations, the 300 and the 400.

The 300 model is the entry level version to the Fastlane *plus* range and the 400 redefines the specification for barrier arm optical turnstiles.

Operation: Fastlane *plus* is available in either an MA (Mid Arm) version for normally closed operation or an AS (Asymmetric) version for normally open operation.

Aesthetics: Fastlane *plus* is available in a number of different enclosure shapes to suit different building design concepts.



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