

# Fastlane *plus* 400 AS

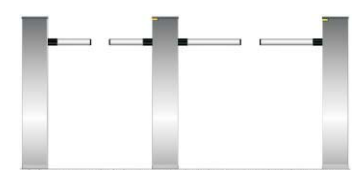
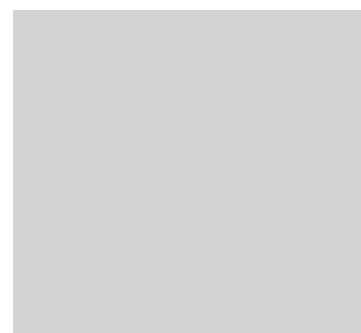
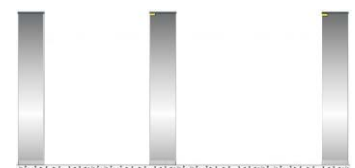
Fastlane *plus* is the very latest in high tech entrance control systems. The system uses state of the art optical technology to monitor the passage of every individual entering and leaving a facility, and fast acting barrier arms to physically deter unauthorised access.

The Fastlane *plus* 400 AS has an additional set of detection beams to the MA variant. This allows the lane to work in a Normally Open as well as Normally Closed mode depending on preference or the current security level within the facility. While set to normally open mode the lane has an unrestricted welcoming appearance, with the arms only closing on unauthorised entry into the lane. In the event that a greater security presence is required the units can instantly be changed to work in normally closed mode. Alternatively for sites requiring Normally Closed mode permanently configured in a "card in" and "free exit" set up the units can be laid out to provide faster free exit than the standard Fastlane *plus* MA variant by weighting the additional set of beams in the exit direction to detect a person earlier in the lane.



## Key Features

<ul style="list-style-type: none"> <li>■ <b>Dimensions</b></li> <li>■ <b>Lane Width</b></li> <li>■ <b>Shape of Unit</b></li> <li>■ <b>Number of Infra-red Beams</b></li> <li>■ <b>Barrier Type</b></li> <li>■ <b>Barrier Position</b></li> <li>■ <b>Barrier Height</b></li> <li>■ <b>Primary Operating Mode</b></li> <li>■ <b>Wheelchair Access</b></li> <li>■ <b>Distance to *</b></li> <li>■ <b>Speed of Throughput</b></li> <li>■ <b>User Display</b></li> <li>■ <b>Customisable Features</b></li> <li>■ <b>Safety Features</b></li> </ul>	<p><b>Standard</b>                  (L) 1275 mm / 50.2"                  (W) 168 mm / 6.6"                  (H) 965 mm / 38"                  600 - 700 mm                  23 - 28"                  Square (Round option available)                  24                  Drop down tubular arm with self resetting breakaway feature                  Asymmetric  <b>Standard</b> – ½ Height    <b>Options</b> – None                  Barriers Retracted                  Switchable on the fly                  Pedestals installed further apart with longer arms                  No cost implication</p> <p><b>Wheelchair</b>                  (L) 1275 mm / 50.2"                  (W) 168 mm / 6.6"                  (H) 965 mm / 38"                  850 - 960 mm                  33 - 38"                  Pedestals installed further apart with longer arms                  No cost implication</p> <p>5 mm / 0.25"                  150 mm / 6"                  1 person per second (subject to access system)                  Tri-Colour End of Lane LEDs                  Decorative Tops at extra cost                  (Standard: Low Iron White Backed Glass)                  Pedestal Shapes, (S)quare or (R)ound                  Enclosure Materials at extra cost                  4 Safety Beams, Breakaway Arm, Fire Alarm Input, Failsafe</p>
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### Versatile

Fastlane *plus* 400 AS has six modes of operation:

1. Normally Open (Barriers Retracted)
2. Normally Closed (Barriers extended)
3. X Mode (Barriers partially extended)
4. Optical Mode (Barriers permanently retracted)
5. Lane Closed Mode (Barriers permanently extended)
6. Auto Mode (Barriers extended)

Operating modes are electronically selectable so it is possible to change the modes at different times of the day or week. The lanes can be connected to a manual remote control panel, or integrated with 3rd party systems for automatic mode selection.

### User Friendly and Safe

The barrier arms of Fastlane *plus* have a typical closing time of ½ second. This, combined with its safety beams, allows the system to close on tailgaters as close as 6 inches apart. The safety beams are designed to stop the arms closing if they detect someone is in the way of them. Fastlane *plus* is compliant with many international regulations regarding emergency egress. The barrier arms feature a unique 'break away' mechanism, which allows safe emergency egress in the event of power failure. The force of the barrier 'break away' can be varied to suit the application. Fastlane *plus* also features a fire alarm input to retract and disable the barrier arms, thereby allowing free, unrestricted exit.

[www.fastlane-turnstiles.com](http://www.fastlane-turnstiles.com)

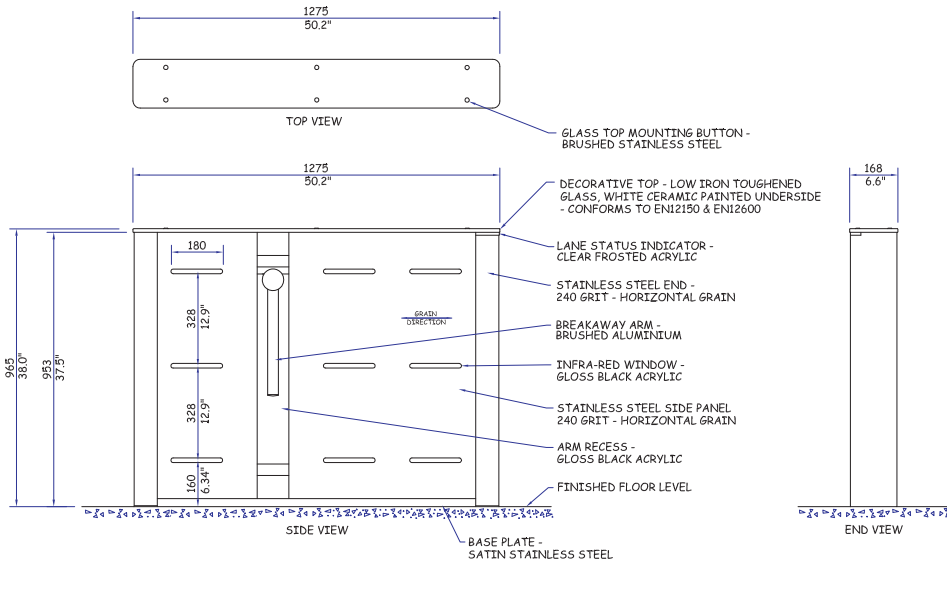


# Setting New Standards In Entrance Control



## Technical Specifications

### Unit Information



### Power Requirements:

Remote Power Supply Input Voltage 100-240Vac, 50-60Hz, 120VA

Low Voltage Outputs to Turnstile:

- 24V dc for Master Motor Drive & Fastlane CPU, current approx 1.5A peak
- 24V dc for Slave Motor Drive, current approx 1.5A peak

### Optics:

Optical Turnstile - pulsed multi infra-red beam array, 24 beam paths, synchronised for detection.

Barrier Safety - pulsed multi infra-red beam array.

Environmentally hardened to avoid sunlight interference.

**Display:** Tri Colour LED display

### Sounders:

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 closing contact)

Fire (Opto-Coupled Input 12-24V dc @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 second)

Barrier Arms Forced Alarm (Depending upon arm type) (NORMALLY CLOSED)

### 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:** ½ second minimum

### Speed of Throughput:

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

**Tailgate Detection Distance:** 5 mm (0.25 inches)

### Barrier Arms:

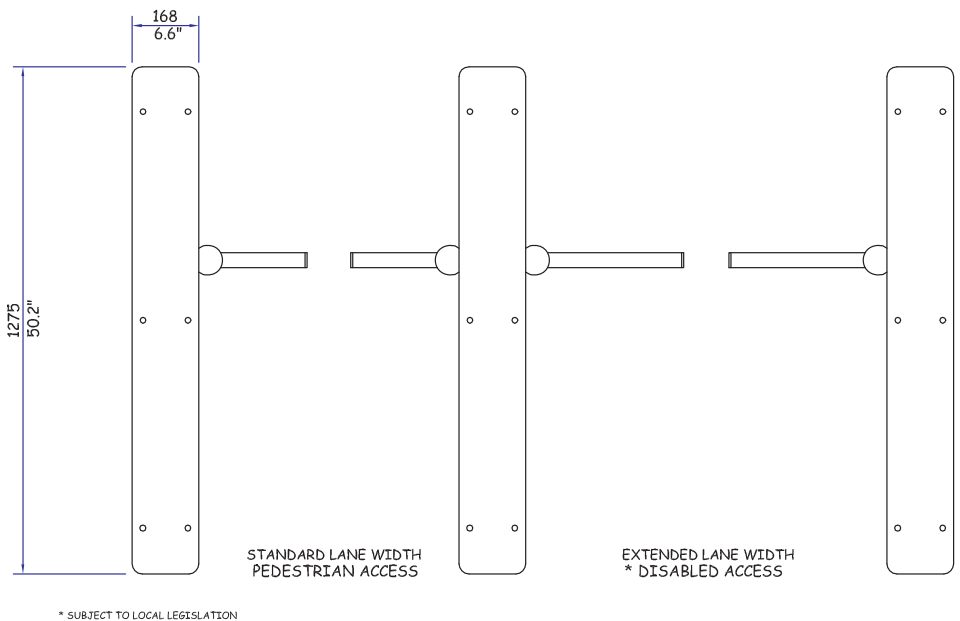
**Breakaway Arms:** 38 mm (1.5 Inches) diameter tube, self returning

**Break away force:** Std Arm: 0.7 Newton typical (7 Kg) DDA Arm: 0.5 Newton typical (5 Kg)

### Turnstile Operation:

As defined in the Factory Acceptance Test Specification  
Specification subject to change without prior notice.

### Pedestal Layout



### Visitor Management

Fastlane *plus* 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, for a period of time, it returns to its original state. The lane should be supervised during this time. This input can also be used in other situations such as with post trolleys.

### 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 3000 systems installed worldwide over 15 years.

For further information please contact your local dealer or the manufacturer.

**ISSUE DATE 03/05/11**

\*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 or otherwise damaging the floor on which they stand.

#### Fastlane Infill System

The Fastlane Infill System is a series of decorative modular panels, which complement the Fastlane and Fastlane *plus* turnstiles 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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