

Fastlane *plus* 400 MA

Key Features

| | | |
|------------------------------------|---|--|
| ■ Pedestal Dimensions | Standard (L) 965 mm / 38" (W) 168 mm / 6.6" (H) 965 mm / 38" | Wheelchair (L) 965 mm / 38" (W) 168 mm / 6.6" (H) 965 mm / 38" |
| ■ Lane Width | 600 - 700 mm 23 - 28" | 850 - 914 mm 33 - 36" |
| ■ Shape of Unit | Square (Round option available) | |
| ■ Number of Infra-red Beams | 20 | |
| ■ Barrier Type | Drop down tubular arm with self resetting breakaway feature | |
| ■ Barrier Position | Middle of Pedestal | |
| ■ Barrier Height | Standard – ½ Height | Options – None |
| ■ Primary Operating Mode | Barriers Extended (Normally Closed) | |
| ■ Wheelchair Access | Pedestals installed further apart with longer arms No cost implication | |
| ■ Distance to * | | |
| Detect Tailgaters | 5 mm / 0.25" | |
| Physically Impede Tailgaters | 150 mm / 6" | |
| ■ 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: 'Midnight' Corian) Pedestal Shapes, (S)quare or (R)ound Enclosure Materials at extra cost | |
| ■ Safety Features | 4 Safety Beams, Breakaway Arm, Fire Alarm Input, Failsafe Option | |



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. This is our latest model with extra quiet barrier arms.

The 400 MA is our top of the range Fastlane *plus* variant and includes premium features such as breakaway arms, deterring tailgaters at 150 mm, 20 detection IR beams including 4 safety beams and provides for fast throughput at 1 person per second. As with all Fastlane *plus* units the narrow pedestal width, combined with the fact that the same slim pedestal is used for creating wheelchair width lanes, makes the product ideal for applications in reception areas and lift lobby entrances where there may be space constraints.



Versatile

Fastlane *plus* 400 MA 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).

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 multiple safety beams in the 400 MA are designed to stop the arms closing if they detect someone is in the way of them. Fastlane *plus* also features a fire alarm input to retract and disable the barrier arms, thereby allowing free, unrestricted emergency egress and in power fail the system can be configured to fail safe.

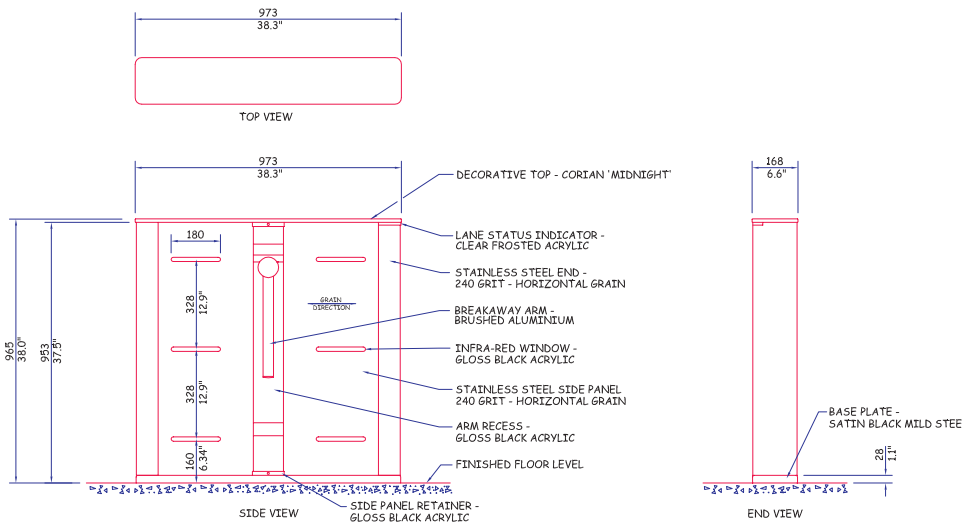


Setting New Standards In Entrance Control



Technical Specifications

Unit Information



Power Requirements:

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

Low Voltage Outputs to Turnstile:

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

b) 24V dc for Slave Motor Drive, current approx 1.5A peak

Optics:

Optical Turnstile - pulsed multi infra-red beam array, 18 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: 1/2 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:

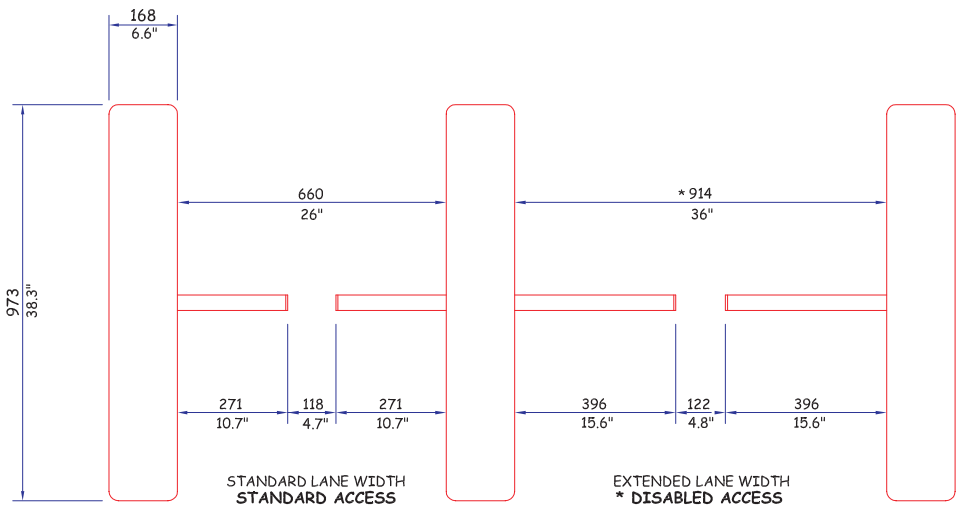
Breakaway Arms: 38 mm (1.5 Inches) diameter tube, self returning

Variable break away force: Short Arm: 0.7-1.5 Newton (5-15 Kg) Long Arm: 0.5-1.0 Newton (5-10 Kg)

Turnstile Operation:

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

Lane Configurations



* SUBJECT TO LOCAL LEGISLATION

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.

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.



Manufactured by: Integrated Design Ltd

www.fastlane-turnstiles.com

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

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