

Fastlane *plus* 30 MA

The 30 MA is our entry level Fastlane *plus* variant and includes a single fixed arm with a breakaway module. The unit operates 12 detection beams that include 4 safety beams, which are designed to stop the arms closing if they detect someone is in the way of them. The arm locks into place when the lane is closed, giving a higher level of security, while the breakaway feature stops users injuring themselves as the arm returns to the locked position. 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. This is our latest model with a quieter barrier arm.

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.



Key Features

■ Pedestal Dimensions	Standard (L) 973 mm / 38.3" (W) 168 mm / 6.6" (H) 965 mm / 38"	Wheelchair (L) 973 mm / 38.3" (W) 168 mm / 6.6" (H) 965 mm / 38"
■ Lane Width	550 - 600 mm 21.65 - 23.62"	850 - 914 mm 33 - 36"
■ Shape of Unit	Square (Round option available)	
■ Number of Infra-red Beams	12	
■ Barrier Type	Drop down single tubular arm, with locking mechanism and 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	Double arm option using 400 MA models Additional cost implication	
■ Distance to *		
Detect Tailgaters	5 mm / 0.25"	
Physically Impede Tailgaters	914 mm / 36"	
■ Speed of Throughput	1 person per 2 seconds (subject to access system)	
■ User Display	Tri-Colour End of Lane LEDs	
■ Customisable Features	Decorative Tops at extra cost (Standard: Low Iron White Backed Glass) Pedestal Shapes, (S)quare or (R)ound Enclosure Materials at extra cost	
■ Safety Features	4 Safety Beams, Fire Alarm Input, Breakaway Arm, Failsafe	

Versatile

Fastlane *plus* 30 MA has four modes of operation:

1. Normally Closed (Barrier extended), 2. Optical Mode (Barrier permanently retracted),
3. Lane Closed Mode (Barrier permanently extended), 4. Auto Mode (Barrier 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.

The Fastlane *plus* 30MA comes with a single barrier for standard lanes but a double barrier lane can be added to the system to create a wider passage for wheelchair or trolley access. The same slim pedestals are used for both types of lane.

Pedestal Shape

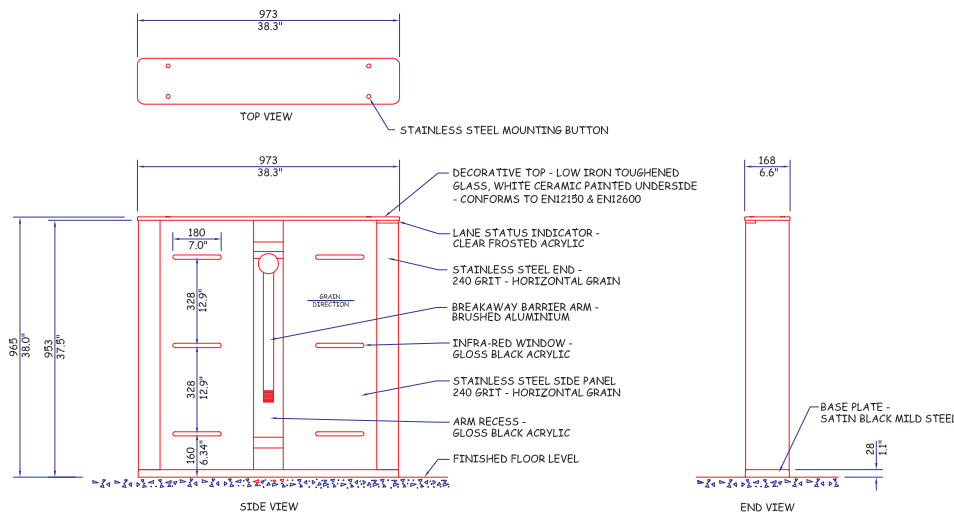
As standard the Fastlane *plus* 30MA comes in a square ended enclosure but there is the option to provide the units with a round shaped end variant.



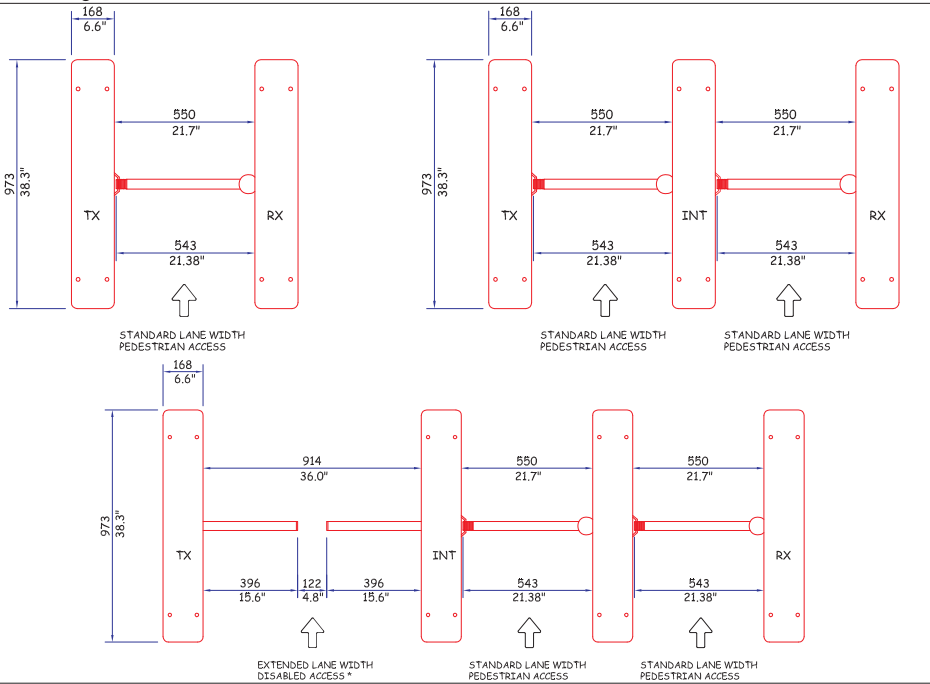
Setting New Standards In Entrance Control



Unit Information



Lane Configurations



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 07/01/11

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

Technical Specifications

Power Requirements:

Mains Power requirement 100- 240Vac 50Hz-60Hz,
Low Voltage Outputs to Turnstile:
a)24V dc for Motor Drive & Fastlane CPU, current approx 1.5A peak

Optics:

Optical Turnstile - pulsed multi infra-red beam array, 12 beam paths synchronised for detection.

Barrier Safety - pulsed multi infra-red beam array.

Environmentally hardened to avoid sunlight interference.

Display:

Tri-Colour End of Lane LED's

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 12-24Vdc @ 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 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)

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 second minimum

Speed of Throughput:

1 person per 2 seconds (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, Length 500 mm

Break away force:

0.4 Newton (4 Kg)

Turnstile Operation:

As defined in Factory Acceptance Test Specification

Pedestal Weight: 45 kgs approx

Specification subject to change without prior notice.

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
Feltham Point
Browells Lane
Feltham
Middlesex
TW13 7EQ, UK

t: +44 (0) 208 890 5550

f: +44 (0) 208 890 2444

e: info@idl.co.uk

w: www.idl.co.uk

w: www.fastlane-turnstiles.com