

Barrier arm optical turnstiles

Fastlane® Plus AS

Fastlane Plus models

30MA | 400MA | **AS**

Harmony between security and style

Fastlane Plus AS is a premium optical turnstile with an extended pedestal and barrier arms that can operate in an open mode. It combines advanced optical technology with a barrier arm to detect and physically impede unauthorized access. With Fastlane, security has never looked so inviting.

COST \$\$\$\$	BARRIER TYPE GLASS ARM OPTICAL	FOOTPRINT 
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Advanced intelligence

Fastlane turnstiles have an advanced architecture based on distributed intelligence. An infrared beam matrix engineered with multiple microprocessors monitors pedestrian movement with pinpoint accuracy, detecting tailgaters as close as 1/4" apart. Inherently more secure, this technology also enables the fastest entry and minimizes false alarms.

Operation

Fastlane Plus AS was designed with additional detection beams that allow it to operate in a Normally Open mode. The barrier arms quickly close for an unauthorized user.

Fastlane Plus AS features four additional operating modes. Lanes can be connected to a remote control panel or integrated with third-party systems for electronic mode selection. Fastlane sounds a local alarm if someone enters without authorization.

- > Efforts to push the barriers open will sound a second, louder alarm
- > A secondary relay can trigger CCTV, lock doors, or control elevators

User-friendly and safe

Fastlane Plus AS barrier arms close within a 1/2 second. This speed combined with multiple safety beams means barriers can safely close on tailgaters as close as 6 inches apart. Barriers automatically:

- > Slow to a crawl to avoid contact when safety beams sense an object in the path
- > Break away in either direction to minimize injury or damage

Optionally, barriers can be configured to retract to the open position upon fire alarm or power outage.



High security

Advanced technology for superior access control

- > Detects tailgaters following behind authorized personnel
- > Impedes intruders with barrier arm



Pinpoint accuracy

Intelligence virtually eliminates false alarms

- > Differentiates body mass from smaller objects
- > Increases acceptance, avoiding guard tune out



Fastest entry

Greater return on investment

- > High processing speed reduces traffic build-up
- > Open mode ensures quick user acceptance



Unsurpassed elegance

Refined, slim designs accentuate lobby

- > Open mode provides secure and welcome entry
- > Barriers open flush with the pedestal, minimizing footprint



Field-proven reliability

Uptime and long lifetime improve bottom line

- > Fewer failures mean lower repair costs
- > Minimizes need for extra guards

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Materials

- › Tops: 304 stainless steel with Black Quartz Corian® ends
- › Side panels and end caps: 304 stainless steel with a horizontal grain (240 grit)
- › Barrier arms: brushed aluminum
- › Beam windows: Perspex® 962

In addition to a choice between rounded or squared pedestal ends, a variety of premium and custom options are available to ensure Fastlane complements building aesthetics.

Visitor management

Fastlane features an optional visitor management input. When activated, unlimited access is allowed for a designated period, after which the system returns to its secure state.

Disabled access

Fastlane is compliant with ADA as well as most international standards. A wider lane using the same slim pedestals and wider glass allows for wheelchair or cart access. Audio/Visual feedback is standard.

Options/Accessories

- › Fastlane Technical Services
- › Fastlane Floor Protector
- › Fastlane Infill System
- › Fastlane Remote Control
- › FastScan™ Tenant/Visitor System
- › Multiple Reader Mounting Options

Please see Fastlane accessories data sheets for additional details.

Technical specifications

Pedestal dimensions (standard and ADA)

- › Height: 38" (965 mm)
- › Width: 6.6" (168 mm)
- › Length: 50.2" (1,275 mm)

Barrier arms

- › Retracting, breakaway arms, self returning
- › Diameter: 1.5" (38mm) tube
- › Standard length: 10.7" (271 mm)
- › ADA length: 15.6" (396 mm)

Lane width

- › Standard lane: 23-28" (600-700mm)
- › ADA lane: 33-36" (850-914 mm)

Opening/closing time

- › 1/2 second minimum

Speed of throughput

- › 1 person / second (subject to response time of access control system)

Tailgate detection distance

- › 1/4 inches (5 mm) minimum

Barrier variable breakaway force

- › Standard arm: 0.7 Newton (7kg) typical
- › ADA arm: 0.5 Newton (5kg) typical

Display

- › Tri-color LED display

Sounders

- › Single tone sounder: card authorization
- › Multi-tone variable volume sounder: alarm condition

Optics

- › Optical turnstile - pulsed multi-infrared beam array, synchronized for detection
- › Barrier safety - pulsed multi-infrared beam array
- › Environmentally hardened to avoid sunlight interference

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

Inputs

- › Require voltage-free contacts (current sense 1 mA 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 at 25 mA nom)

Power requirements

- › Input: 100-240 V AC, 50-60 Hz, 1500 mA
- › Output: 24 V DC, 60 W, 2.5 A

Outputs

Voltage free relay contacts rated 0.5A, 28 V 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 on alarm 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)

Certifications (power supply only)

- › UL 60950-1, 2nd edition
- › CSA C22.2 No. 60950-1-07, 2nd edition

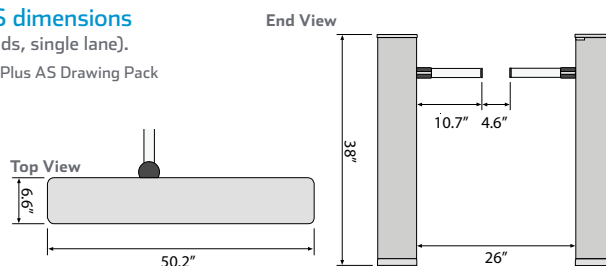
Due to continuous improvements, specifications are subject to change without prior notice.

Details

Fastlane Plus AS dimensions

(standard, square ends, single lane).

Please see the Fastlane Plus AS Drawing Pack for additional details.



With thousands of systems installed on 6 continents, Fastlane is a world leader in elegant and intelligent optical turnstiles.

Manufactured by Integrated Design Limited. Fastlane is a registered trademark of IDL, 1995.

