



Barrier arm optical turnstiles

Fastlane® Plus 400 MA

Fastlane Plus models

150 SA

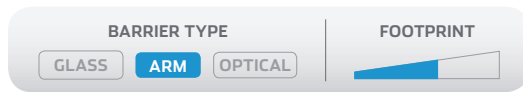
30 MA

400 MA

400 AS

Harmony between security and style

Fastlane Plus 400 MA is a premium optical turnstile with breakaway barrier arms. It combines advanced optical technology with a barrier to detect and physically impede unauthorized access. With Fastlane, security has never looked so inviting.



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 ¼" apart. Inherently more secure, this technology also enables the fastest entry and minimizes false alarms.

IP enabled

400 MA features Fastlane Connect™, a TCP/IP communication and control system that enables Web-based turnstile control from any PC, tablet, smartphone, or from Fastlane's Multilane Controller.

Operation

400 MA is designed to operate with barriers extended, opening only after an access system approval. The barrier arms quickly retract for an authorized user. Barriers then either:

- Close quickly behind the authorized person to deter tailgaters
- Stay open for immediate additional authorized users passing in either direction

400 MA features three additional operating modes.

Turnstiles 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 past the barrier will sound a second, louder alarm
- A secondary relay can trigger CCTV, lock doors, or control elevators

User-friendly and safe

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.



High security

Advanced technology for superior entry 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



Unsurpassed throughput

Greater return on investment

- High processing speed reduces traffic build-up
- Door-like motion ensures quick user acceptance



Superior design

Refined, slim designs accentuate lobby

- Takes up less space — only 38 inches long
- 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 Corian® Deep Black Quartz 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
- Multiple desktop controls- IP or Analog
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- Icon Status Display
- Available UL 2593 certification upon request

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: 38.3" (973 mm)

Barrier arms

- Retracting, breakaway arms, self returning
- Diameter: 1.5" (38mm) tube
- Standard length: 10.7" (272 mm)
- ADA length: 15.6" (396 mm)

Lane width

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

Opening/closing time

- 1/2 second minimum

Throughput*

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

Tailgate detection distance

- 1/4 inch (5 mm) minimum

Barrier variable breakaway force

- Standard arm: 70 Newton (7.1 kg) typical
- ADA arm: 50 Newton (5.1 kg) typical

Display

- Tri-color, LED end of turnstile indicators: red, white, green

Sounders

- Single tone sounder: card authorization and turnstile obstruction
- Multi-tone variable volume sounder: alarm condition

Optics

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

Operating modes

- Card in/card out
- Card entry/free exit
- Free entry/card out
- Free entry/free exit

Ethernet Connection

- RJ45 TCP/IP port

Power requirements

- Input: 115 V AC, 60 Hz or 230 V AC, 50 Hz
- Output: 24 V DC, 60 W, 1.25 A

Reliability

- 5,000,000+ cycles*

Inputs from Access Control

- 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 in & out (normally open momentary push button)
- Fire panel integration- Opto-coupled Input 12-24 Vdc @ 25mA nomina

Outputs to Access System

- Voltage free relay contacts rated 0.5A, 28 V DC for output to system
- Lane entered (NC)
- Lane exited Exit (NC)
- Alarm 1 (NC, opening for 1s)
- Alarm 2 (NC, opening for 1s)

Certifications (power supply only)

- CSA C22.2 No. 247
- UL 60950-1, 2nd edition
- CSA C22.2 No. 60950-1-07, 2nd edition

* Expected time to pass through turnstile.

* In normal use, 5,000,000 cycles of operation is expected before electromechanical sub-assemblies may require replacement as part of an approved preventative maintenance program.

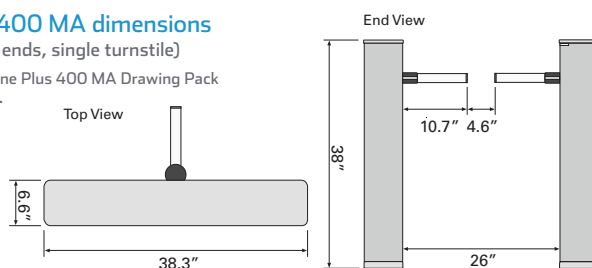
* Due to continuous improvements, specifications are subject to change without prior notice.

Details

Fastlane Plus 400 MA dimensions

(standard, square ends, single turnstile)

Please see the Fastlane Plus 400 MA 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.

