Barrier turnstiles

Fastlane® Plus 150 SA

BARRIER TYPE

GLASS | ARM | OPTICAL

FOOTPRINT

Bi-directional, Dual Arm Barrier

Designed to specific customer requests, the all new Fastlane Plus 150 Swing Arm exceeds today's requirements for safety and security in a compact unit. Quick in operation, unobtrusive in use but secure and efficient in processing people to provide the best entrance way possible.

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.

IP enabled

Fastlane Plus 150 SA features Fastlane Connect™, a TCP/IP communication and control system that enables Webbased turnstile control from any PC, tablet, smartphone, or from Fastlane's Multilane Controller.

Operation

150 SA is designed to work in a normally closed mode, opening only after an access system approval. The barrier arms swing away from 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

150 SA will automatically sound a local alarm if someone enters without authorization.

- Efforts to push past the glass 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.

HIGH SECURITY

Class leading infrared detection systems

- Detects and deters tailgaters in very close proximity
- Barriers are a visual and physical deterrent

PINPOINT ACCURACY

Accurately assesses traffic through the barrier

- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents

UNSURPASSED THROUGHPUT

Greater return on investment

- High processing speed reduces traffic build-up
- Rapid barrier movement

SUPERIOR DESIGN

Inspired, elegant design

- Lightweight swing arm barriers provide secure and safe entry
- Arms open flush with the pedestal, minimizing footprint

FIELD-PROVEN RELIABILITY

Uptime and long lifetime improve bottom line

- Fewer failures mean lower repair costs
- Online diagnostics and support packages

Materials

- Tops: 304 stainless steel with Corian® Deep Black Quartz ends
- Center panels: toughened glass (to EN 14179 / ANSI 97.1)
- Side panels and end caps: 304 stainless steel with a horizontal grain (240 grit)
- Barrier Arms: Aluminum alloy arms with stainless steel shaft
- Beam windows: Perspex® 962

Fastlane Plus 150 SA comes standard with rounded 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 allows for wheelchair or cart access. Audio/Visual feedback is standard.

Options/Accessories

- Fastlane Technical Services
- Fastlane Floor Protector
- Fastlane Infill System
- Multiple desktop controls - IP or Analog
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- Icon Status Display
- Pressure Sensor Tops

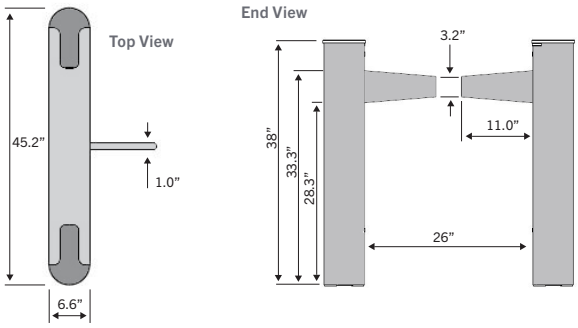
Please see Fastlane accessories data sheets for additional details.

DETAILS

Fastlane Plus 150 SA dimensions

(standard, single turnstile)

Please see the Fastlane Plus 150 SA Drawing Pack for additional details.



FASTLANE PLUS 150 SA TECHNICAL SPECIFICATIONS

Pedestal dimensions (standard and ADA)
- Height: 38" (965 mm)
- Width: 6.6" (168 mm)
- Length: 45.2" (1,148 mm)

Lane width
- Std. lane: 26.0" (660 mm)
- ADA lane: 36.0" (914 mm)

Barrier arms
- Swinging, breakaway arms, self returning
- Standard length: 11.0" (280 mm)
- ADA length: 16.0" (407 mm)

Barrier breakaway force
- 30N (3.1 kg) nominal

Inputs from Access Control
- Require voltage-free switching (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- Optocoupled Input 12-24 V DC @ 25mA nominal

Opening Time
- 1 second maximum

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

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)

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

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

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

Tailgate detection distance
- 1/4" (5 mm) minimum

Reliability
- 5,000,000+ cycles*

Certifications (power supply only)
- UL 60950-1
- CSA C22.2 No. 60950-1-07, 2nd edition

Audible indicators
- Single tone sounder: card authorization and turnstile obstructions
- Multi-tone variable volume sounder: alarm condition

Ethernet connection
- RJ45 TCP/IP port

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

* Expected time to pass through turnstile.
* In normal use, 5,000,000 cycles of operation is expected before electromechanical subassemblies may require replacement as part of an approved preventative maintenance program.
* Due to continuous improvements, specifications are subject to change without prior notice.