Barrier arm optical turnstiles

Fastlane® Plus 400MA

Harmony between security and style

Fastlane Plus 400MA 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.

COST	BARRIER TYPE			FOOTPRINT
$$$$$	GLASS	**ARM**	OPTICAL	

Advanced intelligence

At the core of every Fastlane, an infrared beam matrix is coupled with a custom-designed microprocessor equipped with neural network programming. Fastlane analyzes pedestrian movement with pinpoint accuracy—it is designed to detect tailgaters at just ¼ inch apart. Inherently more secure, this technology also yields the fastest throughput and highest alarm accuracy.

Operation

400MA 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

400MA features three 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 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 barriers feature variable torque and speed settings to tailor the units to specific applications. Barriers automatically:

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

Optionally, barriers can be configured to open in the exit direction upon fire alarm or power outage.

More secure	Unsurpassed accuracy	Fastest throughput	Elegant aesthetics	Outstanding reliability
Unsurpassed detection and deterrence	**Intelligence virtually eliminates false alarms**	**Greater return on investment**	**Architect-inspired design**	**Maximum uptime improves bottom line**
> Detects tailgaters following behind authorized personnel	> Differentiates body mass from smaller objects	> High processing speed reduces traffic build-up	> Takes up less space — only 38 inches long	> Fewer failures mean lower repair costs
> Impedes intruders with barrier arm	> Increases acceptance, avoiding guard tune out	> Door-like motion ensures quick user acceptance	> Barriers open flush with the pedestal, minimizing footprint	> 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: 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

Speed of 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: 0.7 Newton (7kg) typical
› ADA arm: 0.5 Newton (5 kg) 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 12-24 V DC at 25 mA nom)

Power requirements

› Remote power supply input: 100-240 V AC, 47-63 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 to 10 seconds)
› 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
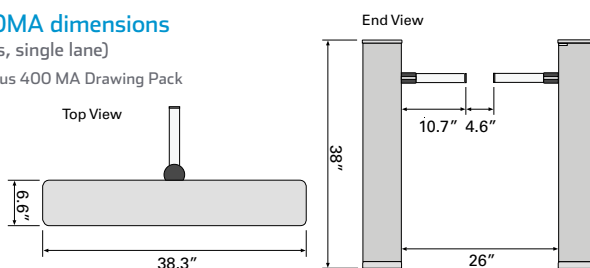› CSA C22.2 No. 60950-1-07, 2nd edition

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

Details

Fastlane Plus 400MA dimensions

(standard, square ends, single lane)

Please see the Fastlane Plus 400 MA Drawing Pack for additional details.

Top View

6.6"

38.3"

End View

38"

10.7" 4.6"

26"

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