Barrier-free turnstiles

Fastlane® 400 OT

Optical models

| CS200 | CS 400 | 400 OT | Compact |

Streamlined optical detection

Fastlane 400 OT is a mid-size optical turnstile. It combines advanced optical technology with a streamlined pedestal to detect and alarm unauthorized access. With Fastlane, security has never looked so inviting.

BARRIER TYPE			FOOTPRINT
GLASS	ARM	**OPTICAL**	

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

The 400 OT is designed to operate in a normally secure mode, and:

› Allows access only after system approval
› Automatically sounds a local alarm if someone enters without authorization
› Has a secondary relay that can trigger CCTV, lock doors, or control elevators

User-friendly and safe

The absence of a physical barrier ensures fast throughput and unrestricted movement for all personnel, with safe disabled access and free emergency egress in the event of a fire alarm or power outage. Users are greeted by an intuitive interface, which automatically guides the user through the entry and exit procedure, ensuring fast easy access for authorized users.

High security	Pinpoint accuracy	Unsurpassed throughput	Superior design	Field-proven reliability
Advanced technology for superior entry control	Intelligence virtually eliminates false alarms	Greater return on investment	Refined, slim designs accentuate lobby	Uptime and long lifetime improve 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
› Beam matrix profiles entire lane	› Increases acceptance, avoiding guard tune out	› One person per second minimizes turnstiles required	› Lack of physical barrier provides welcome entry	› Minimizes need for extra guards

Barrier-free turnstiles

Fastlane® 400 OT

Materials

> Tops: 304 stainless steel with Corian® Deep Black Quartz ends

> Side panels and end caps: 304 stainless steel with a horizontal grain

> 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 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" (166 mm)
> Length: 38.3" (973 mm)

Lane width
> Standard lane: 23-28" (600-700 mm)
> ADA lane: 33-38" (850-960 mm)

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

Tailgate detection distance
> 1/4 inch (5mm) minimum

Sounders
> Single tone sounder: card authorization
> 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
> Bidirectional card in/out on demand
> Bidirectional card in/free exit
> Enter only/exit only
> Lane closed

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

Ethernet Connection
> RJ45 TCP/IP port

Inputs from Access Control
> Require voltage-free switching (current sense 1 mA typical)
> Entry request (normally open)
> Exit request (normally open)
> 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 1-16s)
> Alarm 2 (NC, opening for 1-16s)

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
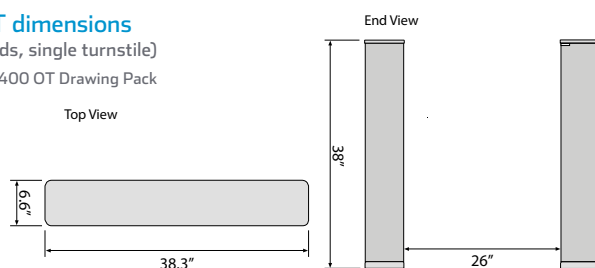
* Expected time to pass through turnstile.

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

Details

Fastlane 400 OT dimensions
(standard, square ends, single turnstile)
Please see the Fastlane 400 OT Drawing Pack for additional details.

Top View

6.6"

38.3"

End View

38"

26"

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.