

Fastlane[®] plus 400MA

with Ethernet Connectivity



Setting the Standard

The Fastlane plus is our original barrier arm turnstile. The unique and innovative self-resetting arm mechanism adds a level of safety not seen elsewhere in this product category. Offering the signature intelligent monitoring and processing of the Fastlane range, this is the barrier arm of choice. Fastlane plus is designed to integrate seamlessly with Access Control, CCTV and whole building management systems.



The 400 MA unit operates in normally closed mode; its barrier arms retract and extend at high speed to allow a throughput of up to 60 persons per minute, whilst traffic flow is precisely monitored by the 32 beam infra-red matrix. Reassuringly, the arms have a unique, self-resetting, breakaway function for enhanced user safety. Inclusive of Fastlane *Connect*, our Ethernet connectivity program, the units can be remotely monitored and controlled from any computer able to access the turnstiles over the network with the appropriate authentication. Fastlane plus 400 MA is available as a UL listed model, and is a DDA compliant product.

Barrier type

GLASS

ARM

OPTICAL

Secure

- Class leading infrared detection systems
- Detects and deters tailgaters in very close proximity
- Barriers are a visual and physical deterrent

Accurate

- Accurately assesses traffic through the barrier
- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents

Features

- Quick and safe action
- High processing speed reduces traffic build-up
- Rapid barrier movement

Aesthetics

- Inspired, elegant design
- Lightweight drop arm barriers provide secure and safe entry
- Arms open flush with the pedestal, minimising footprint

Reliability

- Quality build lowers whole life costs
- Fewer failures mean lower repair costs
- Online diagnostics and support packages



UL Model Available on Request

Fastlane[®] plus 400MA

with Ethernet Connectivity



Physical

Enclosure material
Dimensions L x W x H
Weight (Interlane Pedestal)
Weight (RX/TX Pedestal)
Standard lane width
DDA/ADA lane width
Barrier height
Barrier material
Barrier breakaway force (measured from the edge of the Arm)

Stainless steel 304, 240 grit (satin no. 4), horizontal grain
973 x 168 x 965mm / 38.3 x 6.6 x 38 Inches
53kg / 117lbs
51kg / 112lbs
660mm / 26"
914mm / 36"
805mm / 31.7"
Aluminium tube 1.5" / 38mm Diameter
≥ 50N for 400mm (16") Arm
≥ 70N for 275mm (11") Arm
< 0.5 second
20
940
5mm / 1/4"

Barrier speed of operation
Infrared optical matrix – pulsed beam paths
Infrared wavelength nm
Tailgate detection distance

Pedestrian Access Throughput

Optical system performance
Typical application
Card buffering capacity
Turnstile functions

1 person per second
40 persons per minute
10 cards max
As detailed in the configuration manual

Turnstile Power Specifications

Receive Gate / Transmit Gate
Dual Gate Interlane

24Vdc 1.25A (max)
2x 24Vdc 1.25A (max)

Environmental

Temperature
Relative humidity
Energy consumption per lane
Ingress protection

5 to 50 degrees centigrade
5 to 95% non-condensing
210kW hours per annum
IP20 (Internal building applications only)

Power Supply (Included)

Enclosure
Modules
Input voltage
Approvals

Black mild steel, wall mounted, 330mm (13") x 200mm (8") x 136mm (5.5")
Dual or quad 24Vdc 2.5A overcurrent fold back
100-240Vac, 60/50Hz, 5A fused spur connection
UL 60950-1 CSA C22.2 No. 60950-1-07 second edition

Access Control Inputs

Voltage-free contact;
1mA current sense
Screw terminal connector
Max conductor CSA 16AWG/ 1.5mm²
Fire panel integration input
Ethernet connection

Entry request (NORMALLY OPEN closing for 1 second)
Exit request (NORMALLY OPEN closing for 1 second)
Visitor entry (NORMALLY OPEN momentary closing contact)
Visitor exit (NORMALLY OPEN momentary closing contact)
Opto-coupled Input 12-24Vdc @ 25mA nominal
TCP/IP Port

Access Control Outputs

Voltage-free contact;
Contact Rating 28Vdc 0.5A
Screw terminal connector
Max conductor CSA 16AWG/ 1.5mm²

Entry monitor (NORMALLY CLOSED opening for 1 second)
Exit monitor (NORMALLY CLOSED opening for 1 second)
Alarm 1 (NORMALLY CLOSED opening for 1 second)
Alarm 2 (NORMALLY CLOSED opening for 1 second)

System Output

Turnstile status display
Alarm sounder output

RGB LED diffused through 10mm high clear frosted acrylic
75 – 100 dB (93db at 1 metre)

Reliability

In Normal use, 5,000,000 cycles of operation is expected before electro mechanical parts require replacement as part of an approved preventative maintenance programme.

Technical Specification Version A5

Manufactured by Integrated Design Limited.



Feltham Point, Air Park Way, Feltham,
Middlesex, TW13 7EQ, United Kingdom

T: +44 (0)208 890 5550
E: info@fastlane-turnstiles.com
W: www.fastlane-turnstiles.com

Issue B2

Installation photos may not represent current production models.
Please note specifications are subject to change without prior notice and performance features vary from model to model.

Local Reseller