Fastlane® plus 400AS
with Ethernet Connectivity

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fastlane
turnstiles by **IDL**

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 AS version, (asymmetric) has a longer entrance way enabling the unit to operate in normally open mode. This means that the arms can be in the open position but will quickly close should a user try to gain unauthorised entry. Whilst closing very quickly to stop intruders, the arm mechanism does feature 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 AS 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

Physical

Enclosure material	Stainless steel 304, 240 grit (satin no. 4), horizontal grain
Dimensions L x W x H	1275 x 168 x 965mm / 50.2 x 6.6 x 38 Inches
Weight (Interlane Pedestal)	70kg / 154.3lbs
Weight (RX/TX Pedestal)	65kg / 143.3lbs
Standard lane width	660mm / 26"
DDA/ADA lane width	914mm / 36"
Barrier height	805mm / 31.7"
Barrier material	Aluminium tube 1.5" / 38mm Diameter
Barrier breakaway force (measured from the edge of the Arm)	≥ 50N for 400mm (16") Arm
	≥ 70N for 275mm (11") Arm
Barrier speed of operation	< 0.5 second
Infrared optical matrix – pulsed beam paths	24
Infrared wavelength nm	940
Tailgate detection distance	5mm / 1/4"

Pedestrian Access Throughput

Optical system performance	1 person per second
Typical application	40 persons per minute
Card buffering capacity	10 cards max
Turnstile functions	As detailed in the configuration manual

Turnstile Power Specifications

Receive Gate / Transmit Gate	24Vdc 1.25A (max)
Dual Gate Interlane	2x 24Vdc 1.25A (max)

Environmental

Temperature	5 to 50 degrees centigrade
Relative humidity	5 to 95% non-condensing
Energy consumption per lane	210kW hours per annum
Ingress protection	IP20 (Internal building applications only)

Power Supply (Included)

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

Access Control Inputs

Voltage-free contact;	Entry request (NORMALLY OPEN closing for 1 second)
1mA current sense	Exit request (NORMALLY OPEN closing for 1 second)
Screw terminal connector	Visitor entry (NORMALLY OPEN momentary closing contact)
Max conductor CSA 16AWG/ 1.5mm2	Visitor exit (NORMALLY OPEN momentary closing contact)
Fire panel integration input	Opto-coupled Input12-24Vdc @ 25mA nominal
Ethernet connection	TCP/IP Port

Access Control Outputs

Voltage-free contact;	Entry monitor (NORMALLY CLOSED opening for 1 second)
Contact Rating 28Vdc 0.5A	Exit monitor (NORMALLY CLOSED opening for 1 second)
Screw terminal connector	Alarm 1 (NORMALLY CLOSED opening for 1 second)
Max conductor CSA 16AWG/ 1.5mm2	Alarm 2 (NORMALLY CLOSED opening for 1 second)

System Output

Turnstile status display	RGB LED diffused through 10mm high clear frosted acrylic
Alarm sounder output	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.

Issue B2

Local Reseller