Fastlane® Intelligate 300

with Ethernet Connectivity

fastlane turnstiles by IDL

Setting the Standard

Fastlane Intelligate 300 has been designed to complement the Fastlane range, primarily intended to add an extra-wide lane to a turnstile installation, permitting deliveries of parcels or other oversized items which might not be able to use the standard lanes. Whilst available as a stand alone lane, the IG300 can be seamlessly integrated to a GG300 installation, enabling a wider lane within a set of GG300 lanes. IG300 maintains the prestige look and feel of the Fastlane range with quality Stainless Steel and Corian® feature panels. It offers a very light yet secure barrier.

The IG300 is designed to integrate seamlessly with Access Control, CCTV and whole building management systems. By receiving information from your Access Control system, Intelligate 300 knows how many people to admit and in which direction of travel. Any unexpected movements are instantly met with an audible and visual alarm and signals can be passed to your Access Control or CCTV system to acknowledge an alarm condition has occurred. Intelligate 300 features Fastlane *Connect* Ethernet communications for control, configuration and diagnostics. IG300 is available with 4 panel heights in standard and DDA lane widths.

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
- Door-like motion ensures quick user acceptance

Aesthetics

- Inspired, elegant design
- Glass barriers provide secure and welcome entry
- Barriers 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

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Physical	
Enclosure material	Stainless steel 304, 240 grit (satin no. 4), horizontal grain
Dimensions L x W x H	Ø240 x 965mm / Ø9.4 x 38 Inches
Weight (RX/TX Pedestal)	24kg / 52.9lbs
Glass Barrier (Tallest)	18kg / 39.7lbs (barrier height: 1800mm / 70.9”)
Lane widths	1000mm / 39.3” | 1200mm / 47.2” | 1400mm / 55.1” *
Barrier height – 4 options	1800mm/70.9” | 1500mm/59.1” | 1200mm/47.2” | 965mm/38”
Barrier material	10mm Toughened Safety Glass EN14179 / ANSI 97.1 12mm Toughened/Laminated for locking/tall options
Barrier Breakaway Force - Friction Brakes	≥ 60N (measured at 285mm from the shaft axis)
Maximum Rated Force - Locking Brakes	≥ 300N* (Damage to glass panel or glass clamps may occur above rated force)
Barrier speed of operation	< 1 second
Infrared optical matrix – pulsed beam paths	4
Infrared wavelength nm	940
Tailgate detection distance	10mm / 0.39”
Pedestrian Access Throughput	
Optical system performance	1 person per second
Typical application	30 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)
Environmental	
Temperature	5 to 50 degrees centigrade
Relative humidity	5 to 95% non-condensing
Energy consumption per lane	421kW 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; 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 Input12-24Vdc @ 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 1s) Exit monitor (NORMALLY CLOSED opening for 1s) Alarm 1 (NORMALLY CLOSED opening for 1 s) Alarm 2 (NORMALLY CLOSED opening for 1s)
System Output	
Turnstile status display	RGB LED diffused through 10mm high clear frosted acrylic
Alarm sounder output	98dB approx
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.

*For Lane width of 1400mm (55.1”) maximum height is 1200mm (47.2”)

Technical Specification Version A3

Manufactured by Integrated Design Limited.

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Local Reseller