

FIRSTLANE

SPEEDGATES



AS **AUTOMATIC**
SYSTEMS

Access controlled...
Future secured

FIRSTLANE

BEST IN CLASS SPEED GATES

Automatic Systems mission is to protect and secure access to your building as well as control the flow of pedestrian traffic. Automatic Systems is renowned worldwide for the quality and reliability of its access control equipment, and for its innovative and aesthetic offer. The FirstLane swing speed gates meet these needs, and offer a new modern and elegant design, whilst guaranteeing high reliability.

Thanks to its black painted steel housing, combined with the elegance of glass, FirstLane speed gates capture stylish and architectural trends. FirstLane provides a high bi-directional flow and safety without compromise. Its exclusive DIRAS detection system ensures precise user tracking for maximum safety and security. Even more intuitive and easy to use thanks to the new dynamic LED lighting, FirstLane combines high throughput with state-of-the-art detection.





**STYLISH &
ARCHITECTURAL TRENDS**

INTUITIVE USER EXPERIENCE



QUALITY OF BUILD, RELIABILITY & SERVICE

INNOVATIVE TECHNOLOGIES



SECURITY



SAFETY



PASSAGE FLOW



CONNECTIVITY



MARKETS

- ◆ Office buildings, head offices and administrative sites
- ◆ Schools, universities and colleges
- ◆ Gyms and fitness centres
- ◆ Government buildings and institutions



reddot winner 2021

FEATURES



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SAFETY

PREVENTS FINGER ENTRAPMENT and other impacts

ELECTRO-MECHANICAL DRIVE UNITS including:

- ♦ Controller for progressive accelerations and decelerations of the obstacles, for smooth movement and enhanced user safety
- ♦ Geared electromagnetic brake for locking of obstacles in the event of forced entry attempts
- ♦ Sensor monitoring the obstacle position

EUROPEAN STANDARD SAFETY EN 16005 COMPLIANT

Requirements regarding the strength of trapping and impact energy

EMERGENCY EXIT CERTIFIED, EN13637

SECURITY

BEST IN CLASS FOR FLOW AND ELECTRONIC DETECTION

PROPRIETARY DIRAS DETECTION SYSTEM

- ♦ High-density matrix of infrared beams (every 22,5 mm) follows users' progression through the gate.
- ♦ Dynamic and predictive (size, position, direction) algorithms ensuring top of the class performance for fraud detection: tailgating, piggybacking, trolleys, children, u-turn, crossing, multiple entries...

MULTIPLE INTEGRATION CAPABILITIES (OPTIONAL)

The cabinet allows to integrate authentication solutions including:

- ♦ RFID, QRcode and barcodes readers
- ♦ Biometric devices



ROBUST

STEEL FRAME

- ◆ Robust and stable
- ◆ RoHS anti-corrosion zinc plating treatment
- ◆ Housing is in painted steel and AISI 304L stainless steel

SIDE PANELS (OPTIONAL)

- ◆ Clear 8 mm thick tempered monolithic glass

OBSTACLES

- ◆ Clear 10 mm thick tempered monolithic glass obstacles

GREAT RELIABILITY

- ◆ 8.000.000 MCBF (Mean Cycles Between Failures)

AESTHETICS

- ◆ Modern and stylish look
- ◆ Aesthetic top cover in 8 mm thick monolithic tempered glass with black screen printing
- ◆ **DYNAMIC LIGHTING**

USER EXPERIENCE

FUNCTION PICTOGRAMS for intuitive use

- ◆ High throughput, up to 60 users per minute
- ◆ Fast opening and closing of the obstacles
- ◆ Bi-directional movement
- ◆ Two different passage widths available (600 mm and 900 mm for people with reduced mobility)

SPECIFICATIONS



CONNECTIVITY

TCP/IP COMMUNICATION enabled by embedded software allowing real-time monitoring and equipment configuration locally or remotely via a simple web-browser as well as a diagnostic tool for complete maintenance.

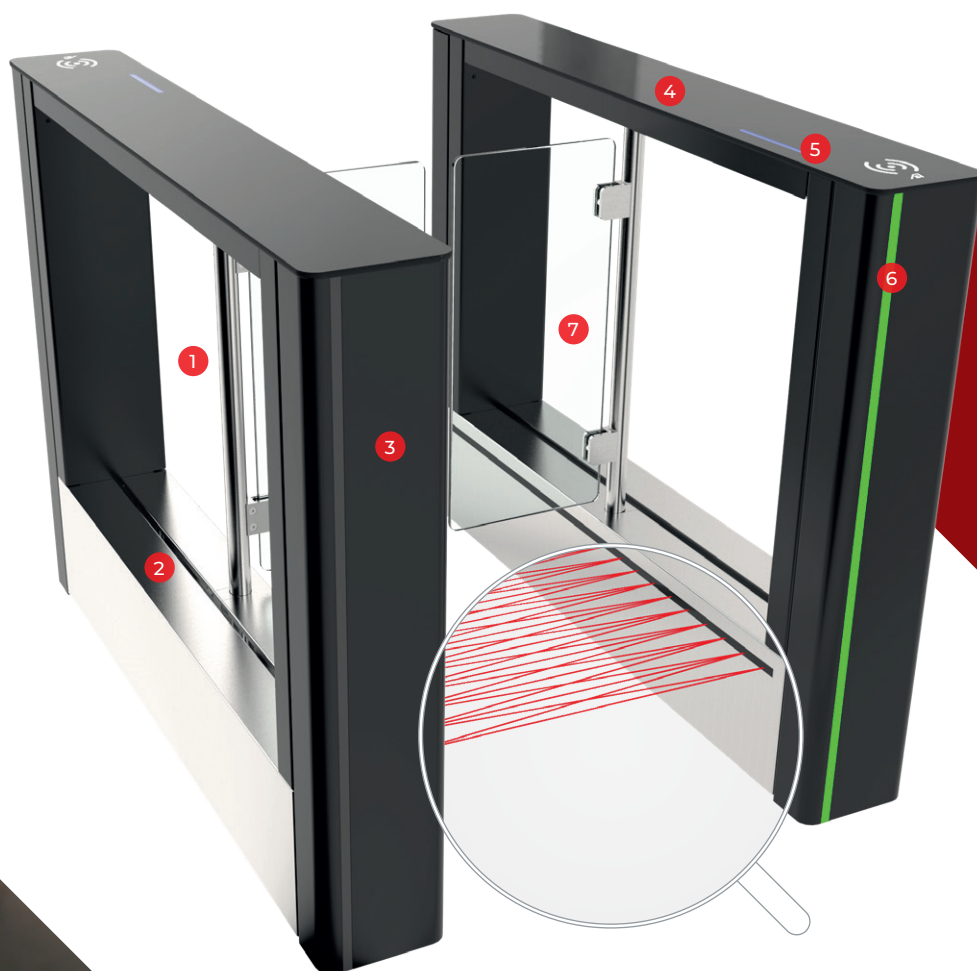
INFORMATION TRANSFER BY

- ◆ XML-RPC interface Double Ethernet (IPV4 and IPV6)
- ◆ CAN bus internal parts control and monitor and third party external peripherals controllable via serial communication
- ◆ Dry contacts (passage authorised, passage information, fraud, technical default...)

SURPEVISION (OPTIONAL)

- ◆ Smart&Slim monitoring panel for remote management of the turnstiles. It is a flexible command centre and allows for visualisation, control and consultation.
- ◆ SmartTouch surveillance interface. Simple and elegant solution for managing one or two access control equipment areas remotely, via an Ethernet network.





UP TO
60 
per minute
with
“hands free”
proximity reader



1. TEMPERED GLASS SIDE PANEL (OPTIONAL)
2. BRUSHED STAINLESS STEEL 304L BODYWORK
3. POWDER COATING BLACK FINISH
4. ROBUST 8 MM TEMPERED GLASS TOP COVER
- 5 & 6. DYNAMIC LIGHTING AND PICTOGRAM
7. GLASS OBSTACLES
-  PROPRIETARY DIRAS DETECTION SYSTEM

SPECIFICATIONS



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the page
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WORK TO BE PROVIDED BY THE CUSTOMER

- ◆ Bolting the unit to the floor
- ◆ Power supply
- ◆ Cabling between gates in the same array
- ◆ Cabling to any external peripherals
- ◆ Integration of any accessories

PRECAUTIONS FOR USE

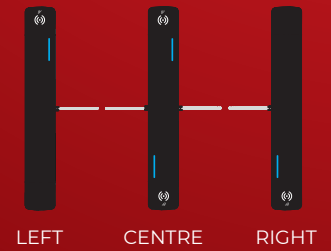
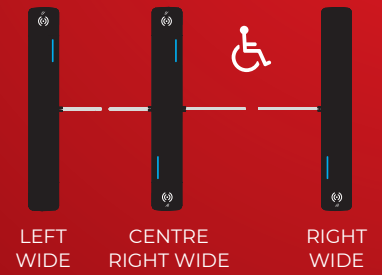
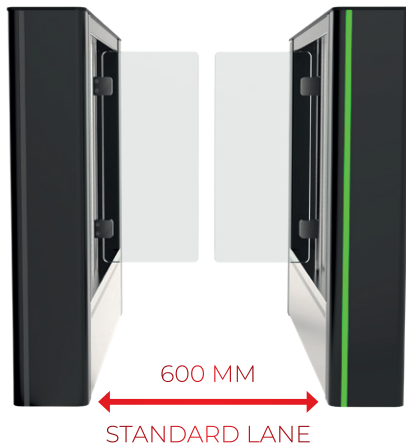
- ◆ For security reasons, children must be supervised by an adult at all times when in the vicinity of the unit and during passage through the lane.
- ◆ A child must always precede the accompanying adult when lane passage is required.

Note: Comply with the installation drawing.
With a constant view to adopting the latest technological developments, Automatic Systems reserves the right to amend the above information at any time.

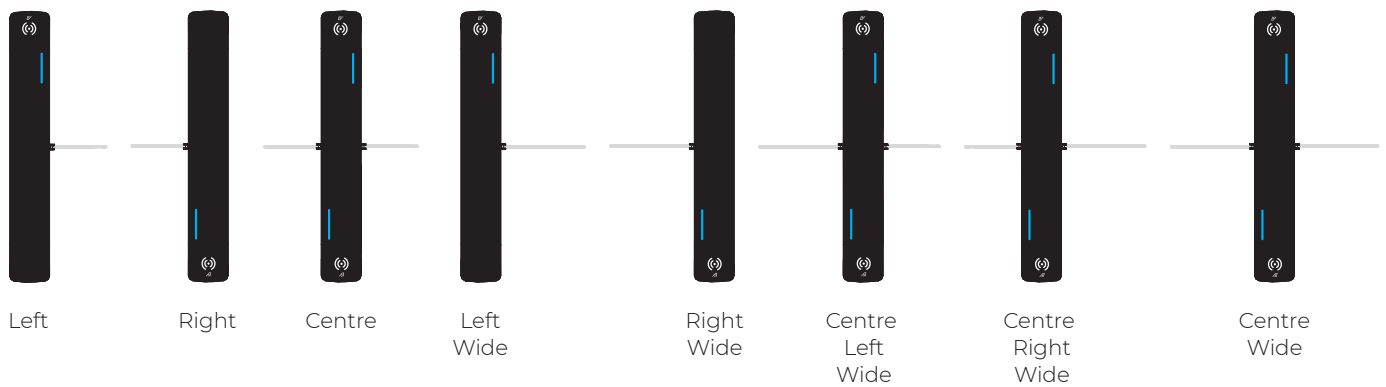
CONFIGURATION EXAMPLES

FIRSTLANE

- ♦ Passage width: 600/900 mm
- ♦ Obstacle height: 910 mm
- ♦ Footprint (W x L): 990 x 1300 mm / 1290 x 1300 mm



CABINET COMBINATIONS

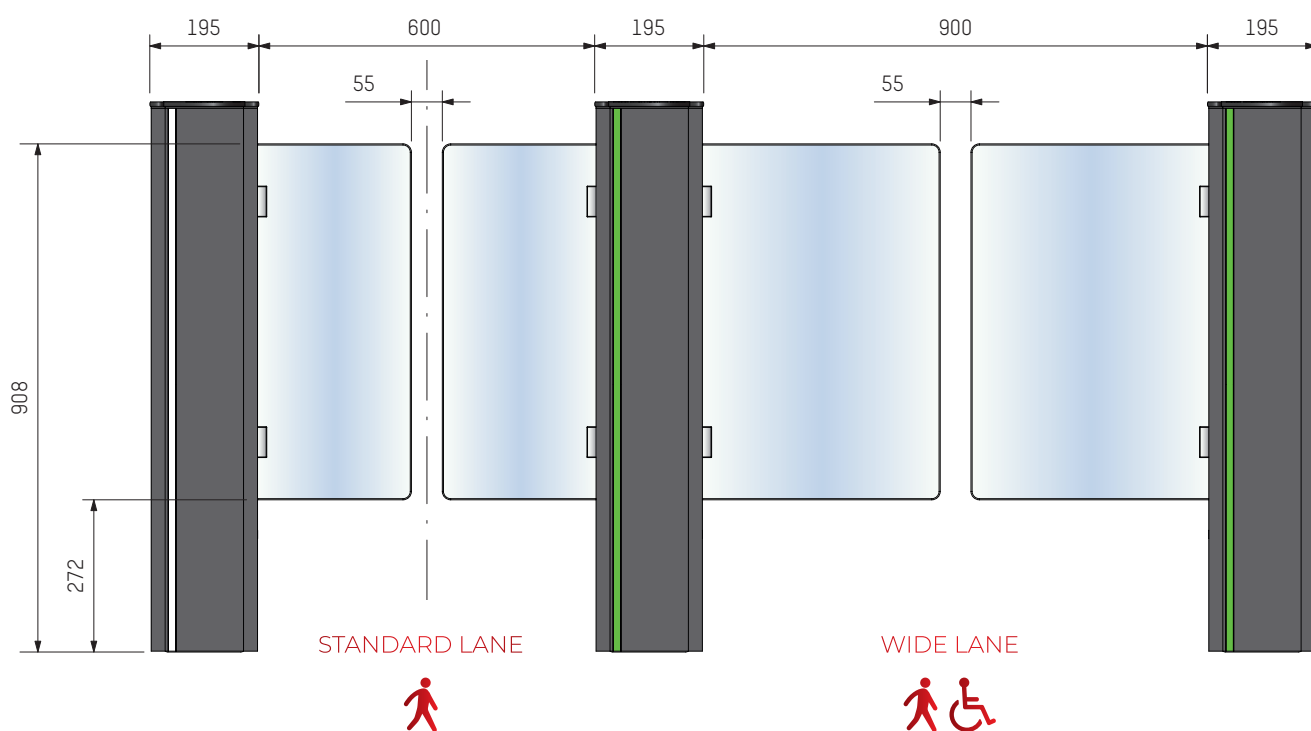
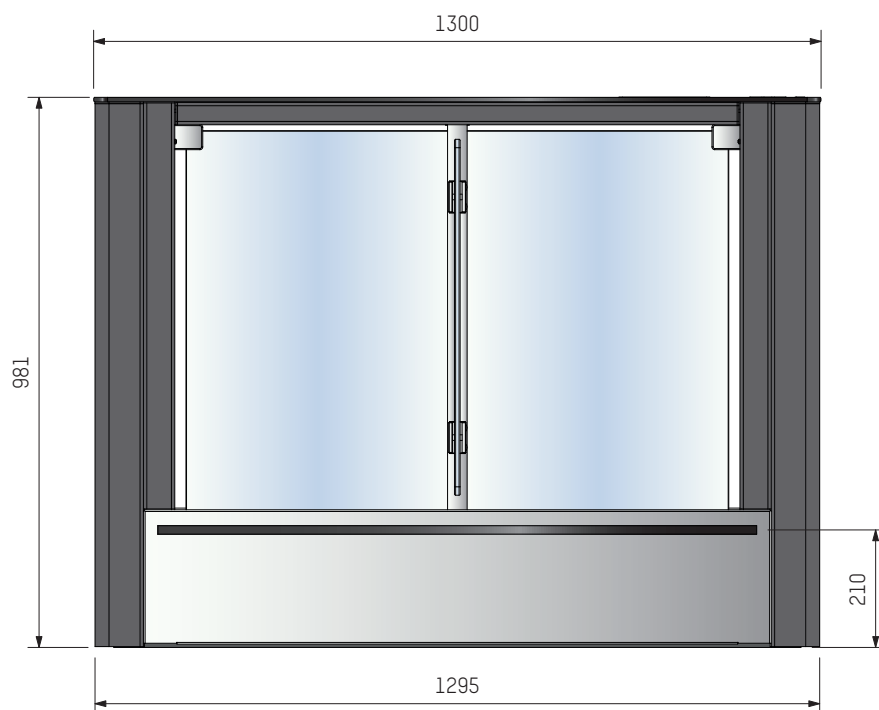




TECHNICAL SPECIFICATIONS

Electrical supply	Single phase 110-240 VAC (±10%) – 5 A – 50/60 Hz + ground	
Power consumption	Standby:	20 W
	Cycle:	35 W
	Maximum:	80 W
Motors (x2)	24 VDC – nominal output power 86W	
Passageway (L)	600 mm / 900 mm	
Min opening or closing times	0.7s (depending of passageway)	
Temperature range: operating	0°- 50°C	
Humidity: operating	< 95%, no condensation	
Noise level	55 dB	
Weight	From 103 to 122 kg	
IP	40	
MCBF	8.000.000	
CE	Conforms to European standards	

DIMENSIONS (MM)



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