FirstLane
Security turnstiles

Access controlled...
Future secured
FirstLane double swing door security turnstiles provide a high bi-directional flow and safety without compromise.

With its modern and stylish design, FirstLane is perfectly suited to any type of architecture. Its exclusive detection system ensures precise user tracking for maximum safety and security. FirstLane combines high throughput with state-of-the-art detection.
Best in class security turnstile

RELIABILITY
- Low cost of ownership
- World leader in speed gates
- Automatic Systems quality guarantee

BENEFITS
- Reduced need for manned entrance
- Low energy consumption for a low carbon footprint
- Easy to install

MARKETS
- Banks and insurance companies
- Office buildings, head offices and administrative sites
- Schools, universities and colleges
- Government buildings and institutions
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:**
  - Ethernet interface (XML/RPC software)
  - Dry contacts (passage authorised, passage information, fraud, technical default...)
  - **SMART N’ SLIM** monitoring panel for remote management of the turnstiles (optional): a true control centre, the Smart n’ Slim monitoring panel manages multiple lanes, regardless of where the units are located. Smart n’ Slim is a flexible command centre and allows for visualisation, control and consultation.

SAFETY

- **PREVENTS FINGER ENTRAPMENT** and other impacts

- **DYNAMIC, ELECTRONIC USER PROTECTION**

- **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:** Requirements regarding the strength of trapping and impact energy

SECURITY

- **BEST IN CLASS FOR 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...

ROBUST

**STEEL FRAME**
- Robust and stable
- RoHS anti-corrosion zinc plating treatment
- Housing is in AISI 304L stainless steel

**SIDE PANELS**
Clear 8 mm thick tempered monolithic glass

**OBSTACLES**
Clear 10 mm thick tempered monolithic glass obstacles
**AESTHETICS**
- Modern and stylish look
- Brushed stainless steel housing
- **FUNCTION PICTOGRAMS** for intuitive use

**THROUGHPUT**
- Fast opening and closing of the obstacles
- Bi-directional movement

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GLASS OBSTACLES

HEIGHT: 910 MM

SIDE PANELS

STEEL FRAME

ISO 9001:2015

RFID reader integration

UP TO 60 per minute

PROPRIETARY DIRAS® DETECTION SYSTEM
**FirstLane 960**  
**STANDARD LANE**  
- Passage width: 600 mm  
- Obstacle height: 910 mm  
- Footprint (W x L): 980 x 1300 mm

**FirstLane 970**  
**WIDE LANE**  
- Passage width: 900 mm  
- Obstacle height: 910 mm  
- Footprint (W x L): 1280 x 1300 mm

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>FirstLane 960</th>
<th>FirstLane 970</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical supply</strong></td>
<td>Single phase 110-240 VAC (±10%) – 5 A – 50/60 Hz + ground</td>
<td></td>
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<tr>
<td><strong>Power consumption</strong></td>
<td></td>
<td></td>
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<tr>
<td>Standby:</td>
<td>20 W</td>
<td></td>
</tr>
<tr>
<td>Cycle:</td>
<td>35 W</td>
<td></td>
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<tr>
<td>Maximum:</td>
<td>80 W</td>
<td></td>
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<tr>
<td><strong>Motors (x2)</strong></td>
<td>24 VDC – nominal output power 86W</td>
<td></td>
</tr>
<tr>
<td><strong>Passageway (L)</strong></td>
<td>FirstLane 960: 600 mm / FirstLane 970: 900 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Min opening or closing times</strong></td>
<td>0.7s (depending of passageway)</td>
<td></td>
</tr>
<tr>
<td><strong>Temperature range: operating</strong></td>
<td>0° to 50°C</td>
<td></td>
</tr>
<tr>
<td><strong>Humidity: operating</strong></td>
<td>&lt; 95%, no condensation</td>
<td></td>
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<tr>
<td><strong>Noise level</strong></td>
<td>55 dB</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>From 103 to 127 kg</td>
<td></td>
</tr>
<tr>
<td><strong>IP</strong></td>
<td>40</td>
<td></td>
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<tr>
<td><strong>CE</strong></td>
<td>Conforms to European standards</td>
<td></td>
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</tbody>
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DIMENSIONS (MM)

FirstLane 960

FirstLane 970

FirstLane 960/970

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

Note: Comply with the installation drawing

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.

With a constant view to adopting the latest technological developments, Automatic Systems reserves the right to amend the above information at any time.
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