

SMART Lane 910 Optical Turnstile

The SmartLane 900 and 910 Security Entrance Lanes provide a high level of bidirectional access control without compromising user safety. The units optimize the use of floor space while ensuring ease of passage.

- UL 325 certified, which ensures additional user safety
- High-performance detection system to eliminate unauthorized use and false alarms
- The wide walkway of the SmartLane 910 is adapted to the mobility-impaired and is ideal for wheelchairs, large carts or wide objects.

Description

1. Self-supporting frame (made from galvanized steel) with leveling screws.
2. Housing made of stainless steel 304, brush finish #4.
3. Removable side panels with lock.
4. Black Arborite top cover with stainless steel around the fixed glass obstacle.
5. Retractable obstacle made of ½-in (12-mm) thick clear tempered glass.
6. Fixed obstacle made of ½-in (12-mm) thick clear tempered glass.
7. Electromechanical unit consisting of:
 - A three-phase asynchronous reduction motor
 - Secondary transmission with crankshaft/rod device ensuring perfect mechanical locking in both end positions
 - A device to automatically open the moving glass obstacles in the event of a power failure
 - A variable speed controller ensuring progressive accelerations and gradual decelerations for vibrationless movement and increased user safety
 - An inductive sensor controlling the position of the moving glass obstacle
8. 24 VDC controls through a factory-programmed industrial programmable logic controller (PLC) linked to the sensor via a CAN-BUS network.

Description cont.


- 9. Bright pictograms direct users through the lane, providing orientation and functional guidance.
- 10. Detection by Automatic Systems' exclusive DIRAS system consisting of infrared transmitter/receiver photocells to maximize fraud and passage detection.
- 11. Extension that provides more space for options and reader integration at the entry as well as 33% increased detection

Common Applications

- Banks and insurance companies
- Government buildings and institutions
- Office buildings, head offices, administrative sites
- Schools, universities, and colleges
- Sensitive sites:
 - Military bases
 - Nuclear plants
 - Pharmaceutical companies
 - Data centers
- Industrial and manufacturing facilities
- Airports, etc.



Key Features

Input Power	120 VAC / 60 Hz (with ground)
Consumption	250 W (nominal) - 600 W (max)
Motor	Three-phase 240 V / 120 W controlled by frequency inverter
Operating temperature	32 to 113°F (0 to +45°C)
Max throughput	60 people/min.
Certification	As per UL 325 
Passageway	36 in (914 mm)
Weight	400 to 550 LB (180 to 250 kg)
Closing speed	1.0s
ADA compliant	Yes

Options

- Custom top cover
- Card reader integration
- Barcode reader integration
- Moving glass obstacle 47 in or 67 in (1194 mm or 1700mm) high with a fixed glass obstacle of matching height
- Corporate logo on glass obstacles
- Emergency push-button to open moving glass obstacles
- Moving glass obstacles with protective silicone edge
- Sound module that plays recorded MP3 files
- Ramp for cabling between pedestals
- Maintenance panels 5.7 in (145 mm) – MP 38
- Monitoring panel (Smart'n Slim / manual CP)

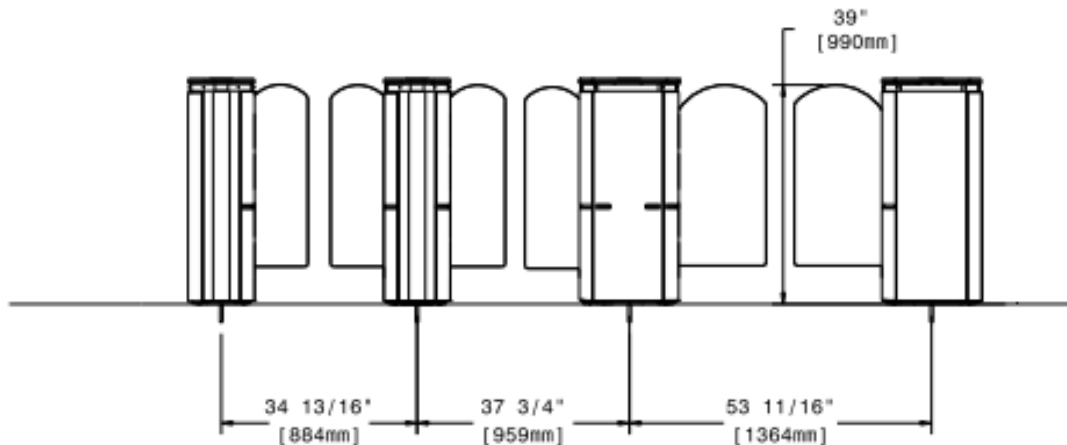
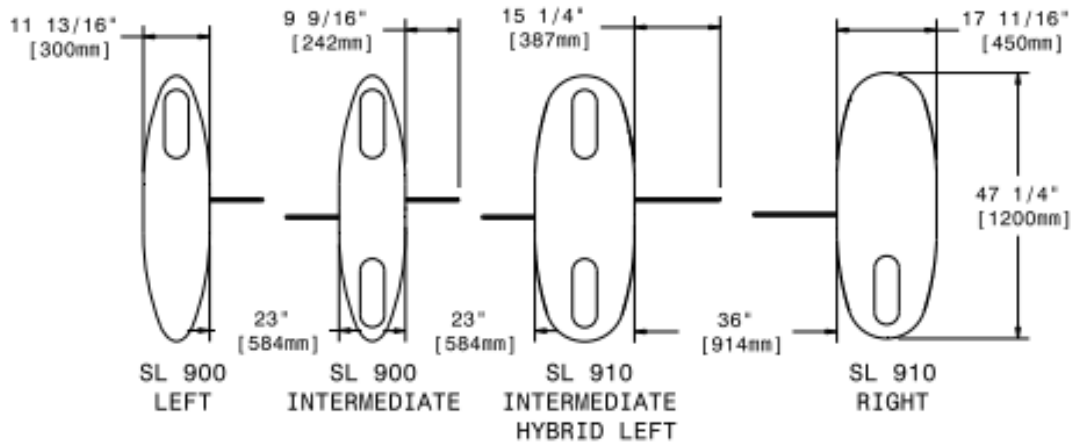
*Number of concurrent readers only limited by space or interference

Precautions for Use

- For security reasons, children (users smaller than 39" tall) 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 absolutely precede the accompanying adult.

Work to be Provided by Others (Not Supplied)

- Performing the electrical interconnection and connections to the power grid.
- Performing the connections to the access control systems.
- Anchoring the equipment with the appropriate hardware for your floor type.



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