

Access controlled... Future secured.



**SmartLane®**



BARRIER OPTICAL TURNSTILES



**AS** **AUTOMATIC**  
**SYSTEMS**  
IBER GROUP

SmartLane Security Entrance Lanes are ideal for applications requiring secure bidirectional passage control where safety and throughput are key.



## SAFETY

- > UL 325 listed to ensure user safety
- > Enhanced detection provided in the user safety zone
- > Mechanical opening in case of emergency or power outage
- > Safe retractable tempered glass panels
- > Soft protective silicone glass edge (option)

## RELIABILITY

- > High throughput: up to 60 users/minute
- > Third generation of security entrance lanes based on nearly 5 decades of experience and over 90 million daily users
- > Long life cycle and low cost of ownership
- > Proven reliability: more than 15,000 lanes operating in demanding applications
- > 5 year warranty

## AESTHETIC

- > Streamlined and elegant oval design that blends seamlessly into any environment
- > Precise backlit pictograms for optimized pedestrian flow
- > Quality assembly and detailed manufacturing

## CUSTOMIZATION

- > Combination of standard and wide security entrance lanes allow you to configure the installation
- > Aesthetics and functional customization to meet your specific needs
- > Vast selection of options and accessories

## SECURITY

- > High-performance detection system to eliminate unauthorized use and false alarms
- > Fast retractable glass obstacles
- > Glass obstacles available in different heights to efficiently block unauthorized passage
- > Mechanical locking to prevent forced manual opening

# SMARTLANE DESCRIPTION

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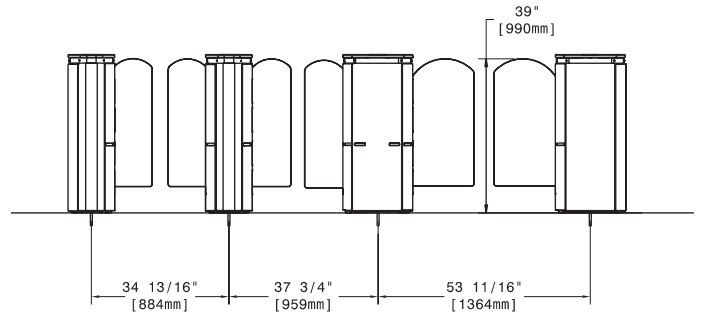
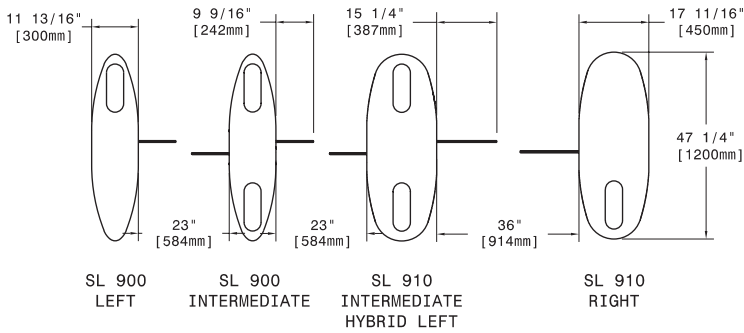
- 1. Self-supporting frame** (made from galvanized steel) with leveling screws.
- 2. Housing made of stainless steel 304**, brush finish #4
- 3. Removable side panels with lock.**
- 4. Black Arborite top cover** (with stainless steel around the fixed glass obstacle for SL 9x1 and SL 9x2).
- 5. Retractable obstacle made of ½ in (12 mm) thick tempered glass.**
- 6. Fixed obstacle made of ½ in (12 mm) thick tempered glass.**
- 7. Electromechanical unit consisting of:**
  - A three phase asynchronous reduction motor
  - A 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 obstacles
- 8. 24 VDC controls through a factory-programmed industrial programmable logic controller (PLC)** linked to the sensor via a CAN-BUS network.
- 9. Bright pictograms direct users through the lane,** providing orientation and functional guidance.



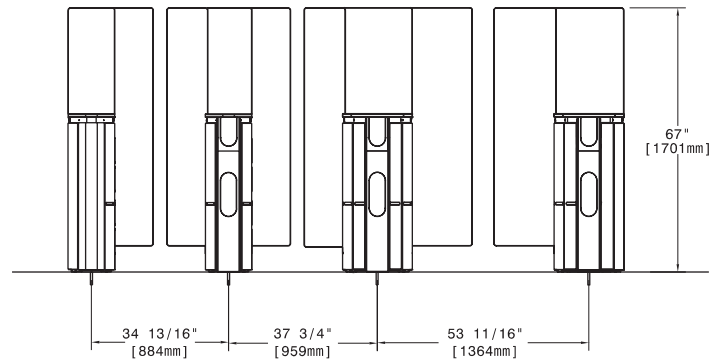
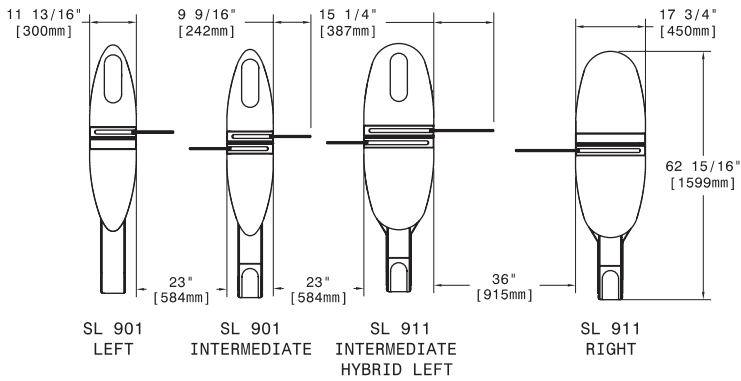
- 10. Detection with Automatic Systems' exclusive DIRAS system** consisting of infrared transmitter/receiver photocells to maximize fraud and passage detection.
- 11. Extension that provides more space for options** and reader integration at the entry, as well as 33% increased detection.

# STANDARD DIMENSIONS

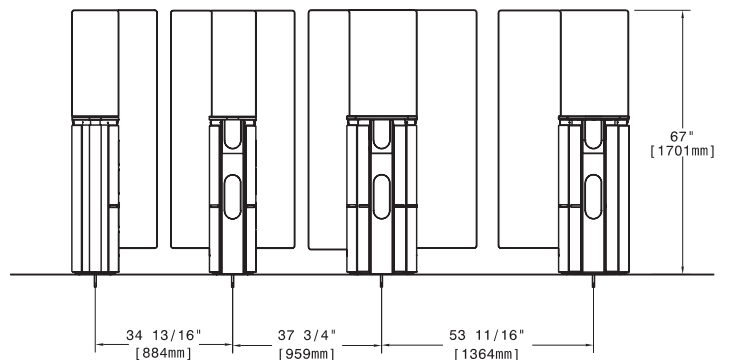
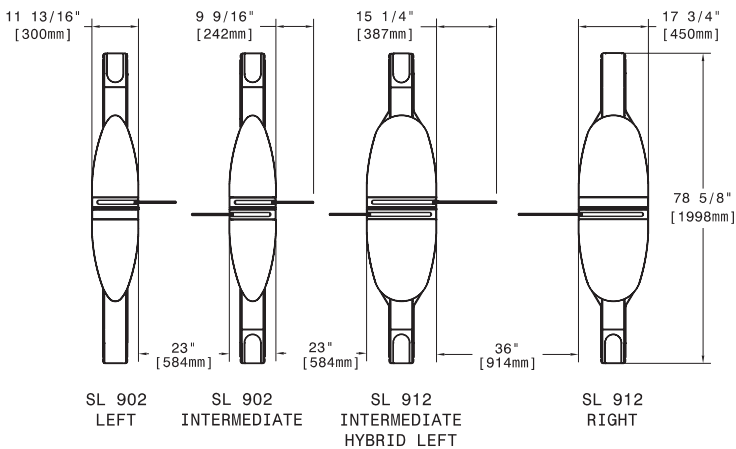
## SMARTLANE 900 / 910




## SMARTLANE 901 / 911



## SMARTLANE 902 / 912



# STANDARD TECHNICAL CHARACTERISTICS

	SmartLane 900	SmartLane 910	SmartLane 901	SmartLane 911	SmartLane 902	SmartLane 912
<b>Input power</b>	120 VAC / 60 Hz ( with ground)					
<b>Consumption</b>	250 W (nominal) - 600 W (max.)					
<b>Motor</b>	Three-phase 240 V / 120 W controlled by frequency inverter.					
<b>Operating temperature</b>	32°F to 113°F (0°C to 45°C)					
<b>Max throughput<sup>1</sup></b>	60 people/min.					
<b>Certification</b>	As per UL 325 					
<b>Passageway</b>	23 in (585 mm)	36 in (915 mm)	23 in (585 mm)	36 in (915 mm)	23 in (585 mm)	36 in (915 mm)
<b>Weight</b>	290 to 480 lb (130 to 205 kg)	350 to 550 lb (180 to 250 kg)	330 to 550 lb (150 to 250 kg)	400 to 570 lb (180 to 260 kg)	385 to 525 lb (175 to 235 kg)	485 to 640 lb (220 to 290 kg)
<b>Opening speed</b>	0.7 s	0.8 s	0.7 s	0.8 s	0.7 s	0.8 s
<b>Closing speed</b>	0.8 s	1.0 s	0.8 s	1.0 s	0.8 s	1.0 s
<b>ADA compliant</b>	No	Yes	No	Yes	No	Yes

1 - Best conditions; depends on validation speed of the access control system

## WORK NOT INCLUDED

- > Electrical interconnection and connections to the power grid
- > Connections to access control systems
- > Anchoring the equipment with the appropriate hardware for your floor type

**All work should be performed as per the implementation and interconnection diagrams provided.**

## PRECAUTIONS FOR USE

- > For security reasons, children (users less than 1 m 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 when lane passage is required.

# DETECTION SYSTEM

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## The SmartLane detection system means serious security

- > High-performance detection system with a low False Rejection Rate (FRR) and False Acceptance Rate (FAR)
- > Horizontal rows of sensor bands that recognize the shape of each passing user
- > Detection sensors near moving obstacles ensure enhanced user safety
- > Optimal balance between fraud detection and throughput

# OPTIONS

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1. Custom top cover
2. Card reader integration<sup>2</sup>
3. Barcode reader integration
4. 47 in or 67 in (1194 mm or 1700 mm) moving glass obstacle with a fixed glass obstacle of matching height
5. Corporate logo on glass obstacles
6. Emergency push-button to open moving glass obstacles
7. Moving glass obstacles with protective silicone edge
8. Sound module that plays recorded WAV files
9. Ramp for cabling between pedestals
10. Maintenance panel 3.8 in (97 mm) – MP 38

2 - Number of concurrent readers only limited by space or interference

# SMART N' SLIM

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A true control center, the Smart n' Slim Monitoring Panel manages multiple Security Entrance Lanes, regardless of where the units are located. The Smart n' Slim Monitoring panel is a flexible command center and allows for visualization, control, and consultation.

The Smart n' Slim is available in a TOWER style version and a RACK mount version offering an ideal solution to access the man-machine interface via an existing work station, or simply by connecting the server to a screen and mouse/keyboard. This server can be installed at the guard desk or in a secured closet (preferred location).

Smart n' Slim 20" TOUCHSCREEN



# PROJECTS





NAM-SL-TB-EN-A (2015 -01)

## WHAT ARE THE BENEFITS?

- > Automation of pedestrian access control
- > Restricts access to secured zones
- > Employee and visitor entry/exit tracking
- > Reduced need for manned entrance
- > Meets highest safety standards

## MARKETS

- > Banks & Insurance Companies
- > Government buildings & institutions
- > Office buildings and corporate headquarters
- > Sensitive sites: Military bases, Data centers, Pharmaceutical companies, Industrial and manufacturing facilities, Airports, etc

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