



PONB-TL Pure Optical No Barrier-Thin Line

The **Pure Optical No Barrier-Thin Line** SpeedLane utilizes Orion's unique BeamScan optical detection solution. The open look provides any lobby with a sleek and modern option.

The standard finish is brushed stainless steel with horizontal grain and a Corian® top. Pedestals are available in either flat or rounded ends.

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Method of Operation

When a person approaches the SpeedLane for entry, they present an access card or credential to the access control card reader. The reader is typically mounted inside the pedestal, under the Lane Status Indicator or LSI. If the credential is valid, entry is authorized. The top-mounted LSI will change to a green arrow pointing in the authorized direction. A confirmation tone will sound, giving the user both an audible and visual notification that they may pass through the SpeedLane. A visual red X displayed on the LSI and an audible alarm signifies an invalid entry or a tailgating attempt.

Optical Detection

20 pairs (40 sensors) of industrial duty red LED photoelectric beams that are linked to the primary input/output board. The board has a 32-bit microprocessor for faster speed.

Throughput

One person per second. (Subject to access control outputs).

Tailgate Detection

The system recognizes patterns of movement through the lane to differentiate between a person pushing or pulling an item and a person attempting to piggy back on a valid entry. Beam scanning algorithmic pattern detection allows valid users of the lane to be within ¼ inch.

Bi-directional Card Stacking

For increased throughput the system is capable of receiving up to 99 authorized access credits. Barriers don't need to close between transactions and will remain in the open position until all of the credits are used. If all credits are not used or after 5 seconds of inactivity the system resets and secures the lane. Credit stacking is active in both directions simultaneously.

Sound Card

The Orion Sound Card emits 4 different tones via an 8 ohm speaker to indicate lane status, i.e.: valid transaction/enter, invalid card/intrusion, crawl/climb, or tailgate attempt. Digitally controlled, the sound card allows for volume adjustment on-board or via the Infinity Remote Lane Control™ software.

Fire Alarm

Equipped with FACP Mode when activated by the fire alarm system. The LSIs indicate free passage in both directions and the barriers move to the open egress position. The lanes will automatically restore to normal operation when system is reset. The barriers will not close while a user is in the lane.

Power Loss

In a power loss scenario, barriers are free swinging and will remain in their most recent position. The barriers will remain in that state until power is restored. Once power is restored, barriers will return to the closed position automatically.

Power

Orion Speedgates are low voltage. There is no requirement to run 120VAC to the SpeedGate turnstiles. Each remote power supply requires a dedicated 120V 15A circuit and is required to be mounted within 100' of the turnstiles. An isolated 14 AWG

2 conductor cable is required to run from the power supply to each SpeedGate turnstile primary board. Each power supply will support two (2) lanes. The system operates at 24vDC and consumes 35 Watts while idle, 40 Watts for continuous operation, and up to 120 Watts during barrier tamper prevention.

Reader Integration

Mounting options for proximity and bar code card readers are located at each end of the pedestal, just under the LSI array. Upon request, Orion Entrance Control, can integrate a variety of other readers (barcode readers, swipe readers, biometric readers, etc.) and access control solutions at both ends of the SpeedLane. We can also recommend a single device reader that provides the ability to read bar codes, QR codes, proximity cards, and I class cards.

Lane Status Indicators

LED arrays are fitted into the pedestal tops, one for each direction, to visually assist the user when passing through the lane. Can also be front mounted, if desired.

Crawl Under Detection

Beams detect crawl-under attempts as low as 10 inches from the floor and will trigger a visible and audible alarm and an appropriate trigger signal to the access control system.

Safety Features

Equipped with FACP Mode when activated, LSI indicates free passage in both directions in the event of a fire system emergency. The lanes will automatically restore when system is reset.

Warranty

Three (3) year return-to-factory warranty on all electrical components.

AVAILABLE OPTIONS:

Barriers

Field upgradable to barrier lanes.

Infinity Remote Lane Control (Software only) IRLC-SW

Orion's Infinity Remote Lane Control software is user friendly, intuitive and maximizes SpeedLane performance. IRLC-SW offers support for end users and integrators including advanced alarm type display, technical diagnostic service tools, lane beam status, I/O status, and on-the-fly volume adjustment.

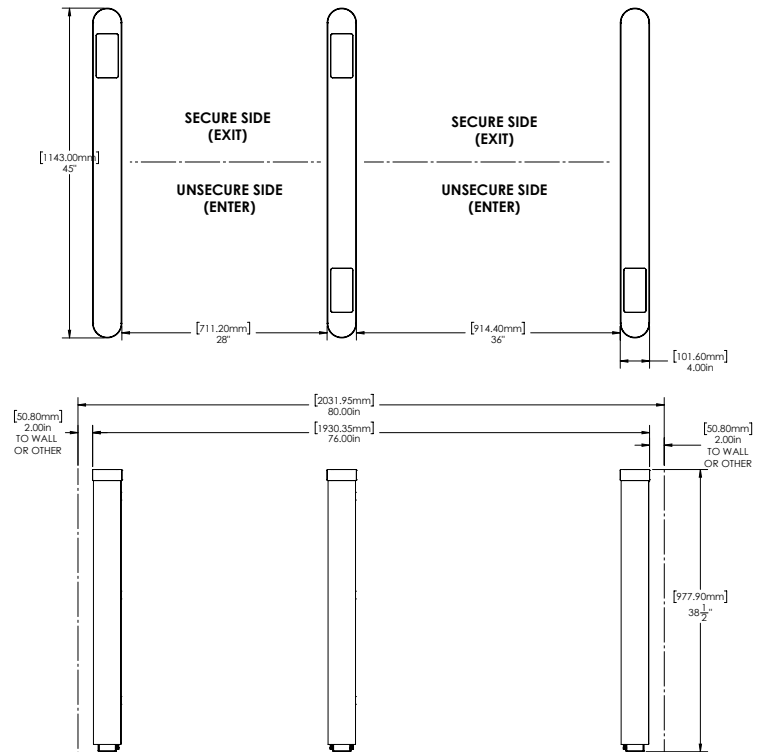
Optical Lane Mounting Platform

The Optical Lane Mounting Platform (OLMP) allows pedestals to be mounted and wired without having to be drilled into the floor.



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Technical Data

	Standard Inch	Standard MM	ADA Inch	ADA MM
Lane Width <i>Optional lane widths available from 22-48 inches</i>	28	711	36	914
Pedestal Height <i>Pedestal height may vary due to custom top material and technology installed</i>	38.5	977.90	38.5	977.90
Pedestal Length With Rounded Ends	45	1143	45	1143
Pedestal Length With Flat Ends	45	1143	45	1143
Pedestal Width	4	101.60	4	101.60

Certifications



Conforms to UL Standard 60950-1,
subject 2593

The drawing and picture presented is illustrative only. Orion Entrance Control, Inc. reserves the right to change product specifications without prior notice.

