



# PRODUCT

Data Sheet

## Optical Barrier Swing Glass-High Glass-Clear View OBSG-HG-CV



The **Optical Barrier Swing Glass-High Glass-Clear View** SpeedLane™ turnstile system, is the perfect solution for any lobby security need. Applications include government facilities, college campuses, corporate offices, airports, and transit centers.

The open look – accentuated by 3/8-inch transparent glass on the sides and 3/8-inch tempter swing glass – provides any lobby with a sleek and modern option for SpeedLane security.

Glass barrier heights can come in 4 feet (1219 mm), 5 feet (1524 mm), and 6 feet (1829 mm) above finish floor.

The standard finish is brushed stainless steel with horizontal grain, and a Corian® top.

### Orion Entrance Control, Inc.

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#### Method of Operation

When a person approaches the speed lane 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 speed lane. The barrier will move in the direction of travel away for the user. 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/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.

#### Power

Dedicated 120V 15A circuit must be provided/four lane maximum per circuit.

#### 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 speed lane. 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 barrier arm crawl-under attempts as low as 10 inches from the floor and will trigger a visible and audible alarm and appropriate trigger signal to the access control system.

#### Safety Features

Barriers will remain in closed position and must be manually moved to exit direction and will remain in that state until power is restored. Once power is restored, barriers will return to closed position.

#### Warranty

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

#### AVAILABLE OPTIONS

##### Infinity Remote Lane Control (Software Only) IRLC-SW

Orion's Infinity Remote Lane Control software is user friendly, intuitive and maximizes speed lane 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.

[IRLC-SW data sheet HERE](#)

##### Infinity Remote Lane Control Touch Screen (IRLC-TS-15 or IRLC-TS-24)

The Infinity software maximizes the performance of your Orion SpeedLane turnstile project. It is included and can be managed on a desktop touch screen PC, available in a 15 or 24 inch display.

[IRLC-TS-15 data sheet HERE](#)

[IRLC-TS-24 data sheet HERE](#)

##### Remote Lane Controller-Push Button RLC-PB

Allows security personnel access to lanes via desktop controller. A red LED indicates lanes in alarm and allows security personnel to acknowledge alarms, grant visitor access, reset barriers, and disables lanes. [RLC-PB data sheet HERE](#)

#### Climb Over Detection

Utilizes load cell technology to detect an intruder attempting to climb on or over the pedestal top to gain entry into the building.

#### 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.

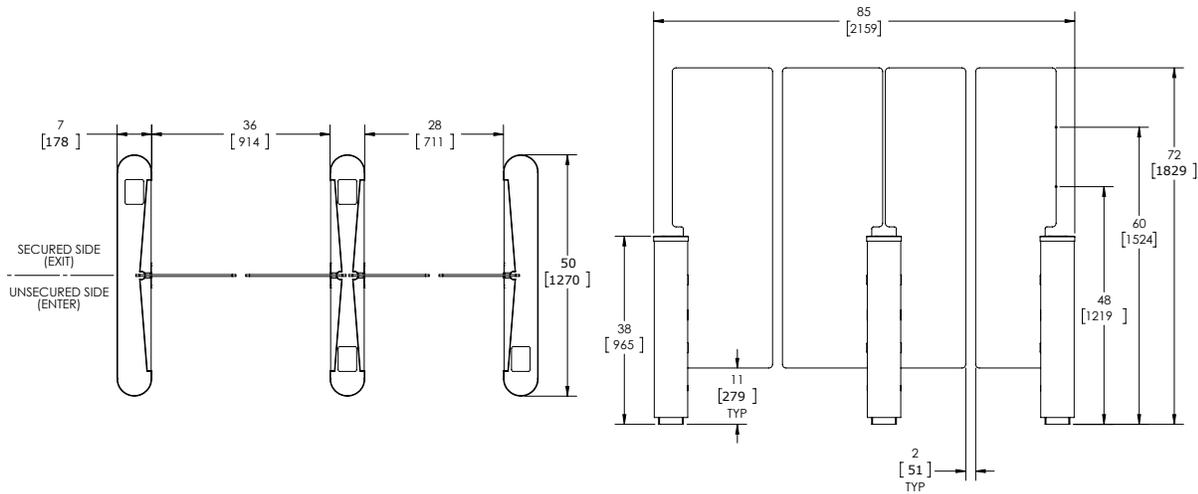
[OLMP data sheet HERE](#)

#### Logo Printing on Glass

Your logo or art is Dip-Tech printed on the glass panels.

### OBSG-HG-CV

#### Optical Barrier Swing Glass-High Glass-Clear View



TYPICAL  
OBSG-HG-CV, ROUND ENDS  
ONE 28" STANDARD LANE  
ONE 36" ADA LANE

### Technical Data

|  | <b>Standard<br/>Inch</b> | <b>Standard<br/>MM</b> | <b>ADA<br/>Inch</b> | <b>ADA<br/>MM</b> |
|--|--------------------------|------------------------|---------------------|-------------------|
| Lane Width   | 28                       | 711                    | 36                  | 914               |
| Pedestal Height  | 38                       | 965                    | 38                  | 965               |
| <i>Pedestal height may vary do to custom top material and technology installed</i> |                          |                        |                     |                   |
| Pedestal Length<br>With Rounded Ends   | 50                       | 1270                   | 50                  | 1270              |
| Pedestal Length<br>With Flat Ends  | 48                       | 1219                   | 48                  | 1219              |
| Pedestal Width   | 7                        | 177                    | 7                   | 177               |
| Glass Height<br>Available AFF  | 48, 60, 72               | 1219, 1524, 1829       | 48, 60, 72          | 1219, 1524, 1829  |

### 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. Not responsible for typographical errors.*