OptiStile 400

Non-Barrier Optical Turnstile

The OptiStile 400 turnstile was designed to fill a niche that has not been addressed in the marketplace: full-function access control with a minimal profile. Narrow pedestals with glass infills provide a clean, modern appearance with all the detection capability of larger turnstiles.

The OptiStile 400 platform is based on Gunnebo's tried and tested platform; we simply housed the control board remotely in order to achieve this narrow, compact design. The OptiStile 400 can be placed in tight spaces or extended lobbies where speed of throughput, security, and design are required.

The OptiStile 400 utitlizes a combination of stainless steel and glass materials, offering an ultra modern design and thin profile turnstile.

With the integration of a touchscreen or pushbutton controller, remote locations are provided with everything needed to fully tailor, control, and optimize the OptiStile to meet their specific site requirements.

Designed and built in the USA, the OptiStile 400 can be installed as a single ADA compliant lane or in combination with multiple lanes placed in parallel.

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TECHNICAL SPECIFICATIONS

Orientation	Bi-Directional	
Unit Dimensions	Casework Length	24.0"
	Casework Height	37.40"
	Casework Width	2.68"
	Walkway Width Standard	28.0"
	Walkway Width ADA	36.0"
Materials	Pedestal	#4 horizontal grained stainless steel external cladding with tempered glass mid-section
	Pedestal Lid	#4 grained stainless steel
Construction	Pedestals are constructed of a stainless steel frame. Small radius (3/16") casework construction and finishes applied such that no exposed seams appear at leading edges. External electronics control box easily accessible for preventative maintenance.	
Function	Passage in both directions, electronically controllable.	
Sensor Direction	Provided through industrial duty infrared photoelectric beams.	
Operation	A card is presented to the customer supplied access control reader mounted inside the casework. If authorized, the top green arrow light graphic will point in the direction authorized and a chime will sound to tell the user they may pass.	
Fire Alarm	Input facility, for voltage-free contact supplied by others to effect fail state.	
Power Supply	110VAC 60Hz (50Hz available). The circuit is fed via remote mounted step-down transformer supplied with the unit.	
Power Rating	Stand By	Less than 0.5 AMP
	In Operation	Up to 6.0 AMP
Logic Voltage	24VDC	
Flow Rates / Throughput	*Please note these figures are approximate and must be confirmed with Gunnebo Entrance Control Inc. Figures quoted are for one person per complete passage per walkway and per minute. It is assumed the access control authorization response is instantaneous. Flow rates will increase with multiple passage use.* 22 single users per minute, 38 multiple users per minute	

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OPERATIONAL MODES & NOTIFICATIONS

Standard Operating Modes

Switchable via optional push button Desk Top Controller (DTC) or an optional digital touch screen (HMI):

- Enter / Card In
- Exit / Card Out
- Free Exit / Card Out
- Optical Only
- Close
- Reset

Audible Notification

Each lane of the OptiStile has four discrete sounds to indicate the following:

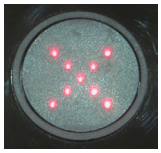
- One tone - Reminder to swipe card
- Chime - Access authorization
- Two tone - Lane alert
- Loud buzzer - Piggybacking or Tailgating event

Pictogram Lights

Pictograms: 1.97" dia. LED display pictograms flush-mounted within the OptiStile lid top face (included as standard). The green badge symbol is continuously illuminated indicating passage is available. Upon authorization a green arrow will illuminate in the direction of passage authorization, while in the opposite direction a red cross symbol will illuminate to indicate the unit is not available for use or is already in use. *See the next page for pictogram light instructions.*

Green Card

Green Arrow



Red Cross

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PICTOGRAM LIGHT INSTRUCTIONS

Uniquely designed Card Reader Pictograms are fitted into the OptiStile top, one each direction, to visually assist the user when passing through the unit.

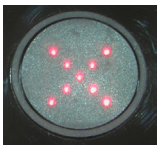
Normal Use

Green Card

Present personal security card to the reader mounted upon the unit for authorization. Wait for the green arrow to illuminate.

Green Arrow: Authorized Use or Designated Free Passage

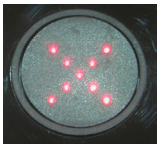
Proceed through the unit. For FREE PASSAGE configuration, authorization is not required. Normally used for EXIT only.



Red Cross: Unit in Use or No Passage

Wait until the passageway has been vacated and either the green card or green arrow to illuminate.

Alarm Conditions



Flashing Red Cross and Audible Alarm: Fraudulent Condition

This alarm mode will be activated via the following scenarios: Passageway is already in use and a 2nd person has attempted to follow through—tailgating—or passageway is currently in use and you do not have right of pass. *Do not panic:* Vacate the passageway. Wait for the flashing red cross to stop flashing and the audible alarm to cease. Wait for the green arrow to illuminate to indicate who has the right of passage.

Flashing Green Card: Incorrect Use Mode

Do not panic: Present card to the reader mounted on the unit for authorization. Authorization of passage will cancel the alarm condition.

Flashing Green Arrow: Emergency / Fire Exit

Do not panic: There is FREE PASSAGE to evacuate through the gate.

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ACCESSORIES & DESIGN OPTIONS

Alternative Materials, Finishes, and Custom Design	• Refer to Gunnebo Entrance Control Inc. for specific material design requirements • Alternative top and casework materials
Card Reader Options	• Mounting integration of customer supplied readers into the OptiStile lid • Proximity, magnetic stripe, biometric or barcode readers all compatible
Remote Lane Control	• Simple push button console to control the OptiStile • Custom remote push button console to specific requirements • Digital HMI touch screen with advanced controls • Remote lane control via personal computer, tablet, or smartphone
Alternative Mounting	Specialized mounting base platforms giving concealed cableway and requiring no drilling, trenching, or core drilling to the floor.
Infill Panels	Where extra space presents in a design, integrated or standalone space infill solutions can be provided.
Elevator Destination Dispatch	Mounting integration of customer supplied LCD screens for elevator destination dispatch systems.
Lane Lights and Logos	• Mounted upon the vertical front section of the OptiStile to act as traffic light flow control • Custom LED lane lighting • Custom logos and etching on OptiStile casework
Pressure Sensitive Lids	Pressure sensitive lids can be installed to provide ‘jump over’ alarm notification via both LED lights and an audible alarm. This option can be installed in both the entry and exit directions.

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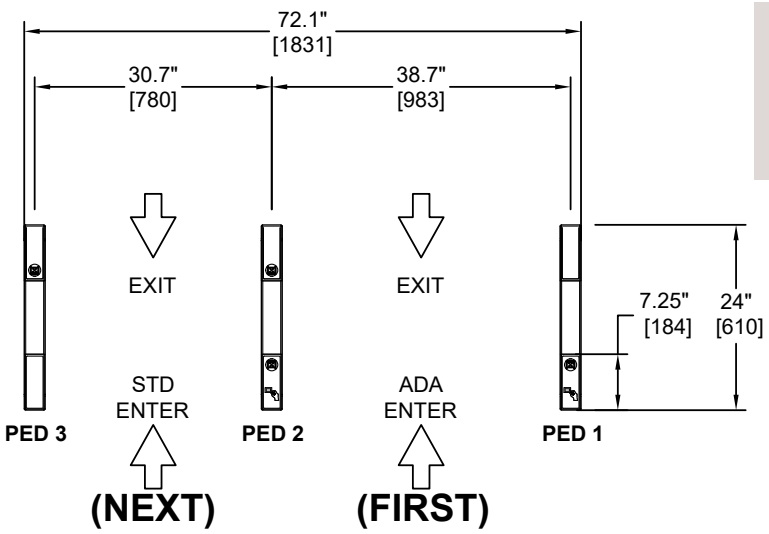
LAYOUT CONFIGURATION & STANDARD DIMENSIONS

For installation details, please refer to the installation manual.



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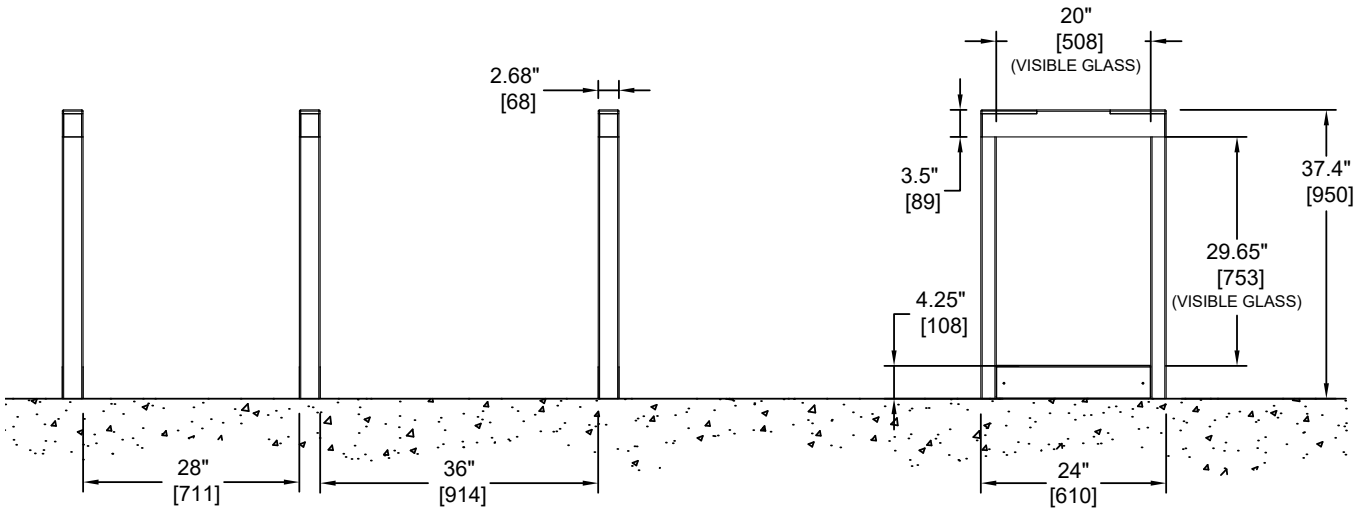
Typical 2 Lane / 3 Pedestal Configuration
Card In / Free Exit

PLAN VIEW



ELEVATION VIEW

SIDE VIEW

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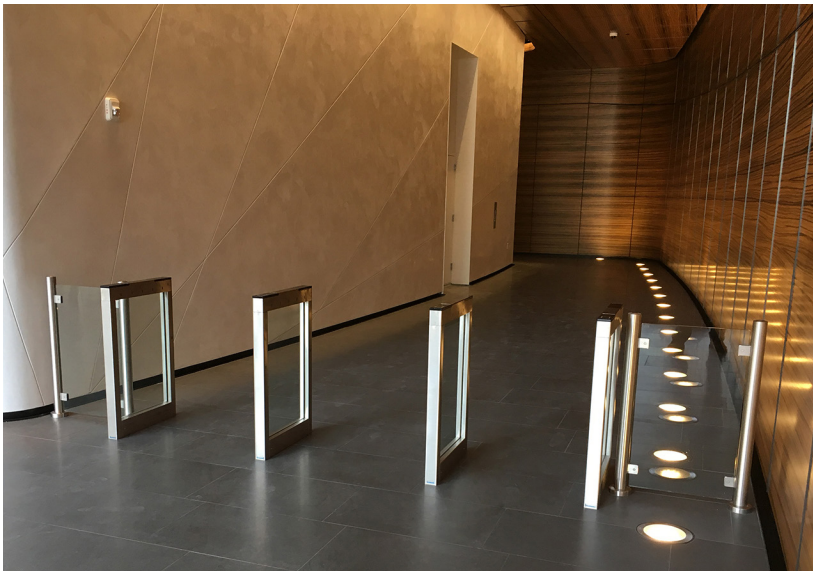
ADDITIONAL PHOTOS



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CERTIFICATION & CONTACT

CSA certified to UL 325.

CLASS 6711 81 - Door Operating Units - Certified to US Standards
CLASS 6711 01 - Door Operating Units

Commercial pedestrian security turnstiles, permanently connected, models and ratings are as noted below:

TurnStile Model Optistile 400, rated 24Vac, 60 Hz, 3 A. Certified for use with 3R transformer "Jefferson Electric", outdoor type enc 3, Cat 216-1151-00 or 416-1151-00. Rated 1.0kVA, 120/24`0V, Output 12/24.

- CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II
- CAN/CSA-C22.2 No 0.4-04 - Bonding of Electrical Equipment
- CAN/CSA C22.2 No 247-92 - Operators and Systems of Doors, Gates, Draperies, and Louvers
- ANSI/UL 325-2009, 5thEd. - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems

For further information, please contact:

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