

# MODEL SU5000 *SUPERVISOR 5000* SWINGING BARRIER

# OPTICAL TURNSTILES

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The Supervisor 5000 is an architecturally inspired optical turnstile that merges Alvarado's sophisticated detection technology with motorized panels to provide beautiful and reliable, high throughput entry control.

The SU5000 reduces crowding at entry points by providing fast throughput rates. Barriers swing in the direction of travel to create a natural flow through the lane. Once passage has been made, the barriers quickly return to the closed position and wait for the next valid credential. In the event of an invalid entry, an alarm sounds and remote notification is provided.

Barriers are available in waist high (shown) or full panel heights (approximately 6 ft. high) to accommodate various facility needs.

The SU5000 cabinet is extremely thin, takes up very little floor space and can fit almost anywhere access control is needed. ADA passage openings and multi-lane configurations are available and do not increase cabinet width.

The sleek lines of the SU5000 enhance any lobby. Available options include lid reveal illumination (shown), illuminated side panels and etching of corporate logos on side panel and barrier surfaces. Custom cabinet and lid materials can be provided.

The SU5000 has very modern electronics. Audio prompts can be easily customized and the use of TCP/IP provides a platform for a remote hardware management platform or an interface with existing or future building systems.

- **Rapid Throughput**
- **Very Quiet Operation**
- **Compact Cabinets Save Floor Space**
- **Bi-Directional Access Control**
- **Superior Tailgate Detection**
- **Multi-Lane Cabinet Configurations**
- **Easy Installation and Systems Integration**



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## APPLICATION

Bi-directional access control at indoor access control points.

## FEATURES

### Electrical

- 110 VAC input stepped down and rectified for low-voltage

### Barrier Modes

- Normal Mode - Barriers open to allow passage in authorized direction, otherwise panels remain closed
- Optical Mode - Barriers remain open at all times

### Safety

- Fail safe operation opens barrier panels upon loss of power
- Safety sensors prevent barriers from closing on personnel/objects

### Inputs

- Separate momentary dry contact inputs are available via terminal strip to activate "passage allowed" and "passage denied" for both directions of operation
- A momentary dry contact input is provided for alarm reset
- Sustained dry contact inputs are available to open or close a turnstile passage direction, select barrier mode, or open barrier panels for fire alarm or other life safety system

### Output Signals

- Separate feedback signals are provided for authorized and unauthorized passage, overrides and violation alarms
- Output signals are available via terminal strip as isolated momentary dry contact, allowing integration with remote alarm systems, electric panel locks, CCTV or other devices

### Card Reader / Illuminated Status Display

- Accepts internally mounted, small form proximity card readers (customer supplied - contact Alvarado for guidelines)
- Flush-mount reader status displays are provided to prompt users for both directions of travel
  - Yellow icon indicates turnstile is ready for activation
  - Green arrow icon shows activation signal has been accepted and passage is allowed
  - Red stop icon is illuminated when card has been rejected indicating that passage is denied

### Built-In Violation Alarm

- Unauthorized entries cause alarm to sound for a user defined duration, or until manually reset
- Sensor matrix detects individuals attempting to "tailgate" directly behind an authorized user, or who attempt to crawl through the turnstile
- Alarm also sounds if one or more sensors becomes obstructed

### Open / Closed Lights

- Large Green/Red LED indicators flush mounted within cabinet end panel show open/closed status of lane

### Adjustable Aborted Entry Reset Timer

- Turnstile resets after a user defined "time-out" period if an authorized passage does not occur

## FEATURES (continued)

### Adjustable Tailgate Sensitivity

- Allowable minimum distance between pedestrians (or objects) passing through the turnstile may be adjusted

## PRODUCT SELECTION

Standard cabinets are stainless steel polished to a #4 satin finish. Cabinet lids are constructed from Livingstone acrylic resin in Starry Night black. Base units consist of two cabinets. Single expansion cabinets with the same dimensions as a base unit cabinet may be added as needed for multi-lane configuration.

## PRODUCT OPTIONS

**Barrier / Panel Etching** - Customer's choice of logo may be etched on the barrier or side panels.

**Barrier Height / Width** - Barriers can be ordered in high or low height and standard or ADA widths.

**Internal Illumination** - Lid reveal and/or side panel illumination via low-voltage LEDs is available.

**Alternative Lid Colors and Materials** - Lids may be ordered in alternate colors, as well as natural stone.

**GateKeeper PC Based Software** - Allows configuration, monitoring and administration of multiple Supervisor optical turnstile units from a single PC. Allows automatic scheduling of operational changes and provides a log of all override and alarm activity. Communication is via TCP/IP.

**Open / Closed Lane Overrides** - Key override installed on turnstile or remotely, allows operators to "open" or "close" one or both directions of passage. Separate overrides required for each direction of passage.

**220 VAC** - Unit accepts 220 VAC input.

## WARRANTY

The Supervisor 5000 is warranted for 18 months from the date of shipment against defects in materials or workmanship.

## DIMENSIONS

