

MODEL SU3000
SUPERVISOR 3000
BARRIER ARM

OPTICAL TURNSTILES

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The SU3000 combines motorized retracting barrier arms, superior optical technology, beautiful cabinetry and the flexibility of three bi-directional access controlled operational modes.

In *normally closed mode*, the barrier arms are "up". When a valid ID is presented, a pleasant chime sounds and a green arrow icon illuminates in the direction of travel. The barrier arms smoothly retract, then reset after passage. Cycle time is less than 1/2 second.

In *normally open mode*, the barrier arms are retracted and "pop up" only when passage is attempted without presentation of a valid ID.

In *optical mode*, the arms are permanently retracted and the unit operates as a barrier-free optical turnstile.

In all modes, an alarm sound and visual notification is provided if passage is attempted without the presentation of a valid credential. Additional "good card," "bad card" and alarm condition notification outputs are also provided in all models.

The SU3000 has multiple sensors that provide virtually foolproof tracking of users and superior "tailgate" detection. Safety features include presence sensors and automatic arm retraction if the arms encounter an object during the opening or closing cycle. A fire or life safety input is also included.

The turnstile functionality and operational modes can be controlled using Alvarado's optional PC based GateKeeper software. This application allows virtually all turnstile settings to be changed, as well as all turnstiles to be monitored, from a single PC.

Whether ADA or standard, the width of the SU3000 cabinets remain the same. This saves floor space and provides aesthetic uniformity.

Alternative materials and finishes are available, including wood and brass finished cabinets and custom lid materials.



- **Suitable for Upscale Installations**
- **ADA Compliant Cabinets are Same Width as Standard Cabinets**
- **Bi-Directional Control**
- **Easy Installation and Systems Integration**
- **Multi-Lane Cabinet Configurations**

ALVARADO



SUPERVISOR 3000

DESCRIPTION BARRIER ARM

OPTICAL TURNSTILES

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PRODUCT NAME

Supervisor 3000 Small - Barrier Arm Optical Turnstile

APPLICATIONS

Indoor bi-directional optical access control with motorized barrier arms.

PRODUCT FEATURES

Electric

- 110 VAC input stepped down and rectified for low voltage 24 VDC, 12 VDC & 5 VDC operation
- Maximum power consumption is 250 watts per lane

Barrier Arm Modes

- Normally Closed - Arms open to allow passage in authorized directions, otherwise arms remain closed
- Normally Open - Arms close when unauthorized passage is attempted, otherwise turnstile arms remain open
- Barrier Disabled - Arms remain open at all times

Safety

- Fail safe operation opens barrier arms upon loss of power
- Emergency breakaway feature allows barrier arms to be broken away in a vertical direction during an emergency
- Safety sensors prevent arms from closing on personnel or objects

Activation 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 arm mode, or open barrier arms for fire alarm or other life safety system

Output Signals

- Separate feedback signals are provided for authorized and unauthorized passages, aborted entry, and violation alarms
- Output signals are available via terminal strip as isolated momentary dry contact, allowing integration with remote alarms, electric door locks, CCTV or other devices

Card Reader / Illuminated Status Display

- Accepts internally mounted small form proximity card readers (customer supplied - contact Alvarado for compatibility guidelines)
- Flush mount turnstile/reader status displays are provided to prompt users for both directions of travel - yellow icon indicates turnstile and reader are ready for card presentation
- Illuminated green arrow icon shows that card 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 a local alarm to sound for adjustable duration ranging from 2 to 8 seconds, or indefinitely until manually reset
- Sensors are able to detect individuals attempting to "tailgate" directly behind an authorized user, or who attempt to crawl through the turnstile to avoid detection
- Alarm also sounds if one or more sensors becomes obstructed

PRODUCT FEATURES (continued)

Open / Closed Lights

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

Adjustable Aborted Entry Reset Timer

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

Adjustable Tailgate Sensitivity

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

PRODUCT SELECTION

Standard cabinets are stainless steel polished to a #4 satin finish. Recessed base is black satin powder coat. Cabinet lids are fabricated 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 configurations.

PRODUCT OPTIONS

Extended Arms - Extended arms for 36" passageway.

220 VAC - Unit accepts 220 VAC input.

Rejection Beeper - A beeper indicates that an "unauthorized" card has been presented.

Horizontal Breakaway - Arm "breaks away" in direction of travel (horizontally) when pressure is applied to turnstile arm.

GateKeeper PC Based Software - Allows configuration, monitoring and administration of multiple SU3000 units from a single PC. Allows automatic lane open/closed scheduling and provides log of all configuration, override and alarm activity.

Open / Closed Lane Overrides - Key override installed on turnstile allows operators to "open" or "close" one or both directions of passage.

Alternative Cabinet Materials and Finishes - Cabinets may be constructed from a variety of fine hardwoods or commonly available laminate materials.

Alternative Lid Colors and Materials - Lids may be ordered in alternate colors of Livingstone™ acrylic, as well as natural stone.

WARRANTY

The Supervisor 3000 is warranted for 18 months from the date of shipment against defects in materials or workmanship.

