

# ES8500

## Mid Sized Optical Turnstile

Designed for small to mid-size lobby/entry applications where styling is important, the ES8500 Optical Turnstile provides aesthetically pleasing pedestrian passageways to controlled or restricted areas. These units will monitor high throughput pedestrian traffic flow of up to 60 people per minute per lane, while optical sensors ensure only one person enters for each authorized I.D. card presented.



### FEATURES & BENEFITS

- Complements any architectural styling
- Compact, space conscious design
- Card reader and controlling electronics can be mounted inside housing
- Detects tailgating
- Compatible with all access control systems
- Field configurable for card in/card out or card in/free exit operation
- High throughput easy entry or exit for authorized personnel
- ADA compatible

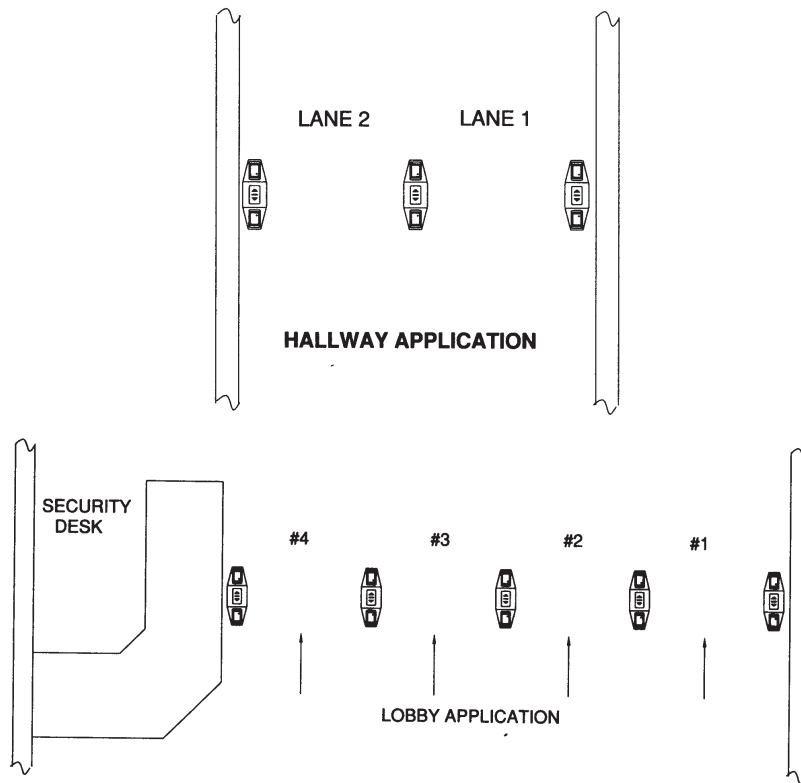


ES8500 Series

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# ES8500 Mid-Sized Optical Turnstile - Typical Applications



## ELECTRICAL SPECIFICATIONS

<b>Power:</b>	12 VDC @ 700 mA/walkway
<b>Control Input:</b>	N/O-Momentary "Valid A card" (max. 1sec. pulse closure) N/O-Momentary "Valid B card" (max. 1sec. pulse closure) N/O-Momentary/Maintained "Remote bypass"
<b>Control Output:</b>	Form "C" Alarm contact status Form "C" "A" passage complete contact status Form "C" "B" passage complete contact status All relays rated at 1 Amp @ 30VDC
<b>Audible Alarm:</b>	80 dB @ 3 ft.

## MECHANICAL SPECIFICATIONS

<b>Size:</b>	18" L x 38" H x 6" W
<b>Mounting:</b>	12 gauge steel base with 4 - 9/16" mounting holes and 2" conduit hole
<b>Finish:</b>	Top Surface: DuPont Corian/Midnight* Side Panel: Satin Brushed Stainless Steel*

\*Custom colors and finishes may be specified at additional cost.

## CRITERIA FOR DESIGNING AN OPTICAL TURNSTILE WALKWAY

1. Determine the number of walkways required based on the desired pedestrian throughput and space availability. A conservative estimate of pedestrian throughput is up to 60 people per minute per walkway. This figure assumes the use of a fast response (1/4 sec.) card reader system.
2. Walkway bollards should be spaced 24" - 37" apart. Wider spacing may result in pedestrians attempting to pass through the lane two – abreast, resulting in a high incident of alarms.

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