

# ES860

## Canister Style Optical Turnstiles

Designed for small to mid-size lobby/entry applications where space is limited and pedestrian throughput is high. Adjustable optics allow for the ES860 Optical Turnstile to be arranged in a semi-circular pattern around an opening or area allowing for more lanes and easier access. These units will monitor high throughput pedestrian traffic flow of up to 30 people per minute per lane while the optical sensors ensure only one person enters for each authorized I.D. card presented.



ES860 Series

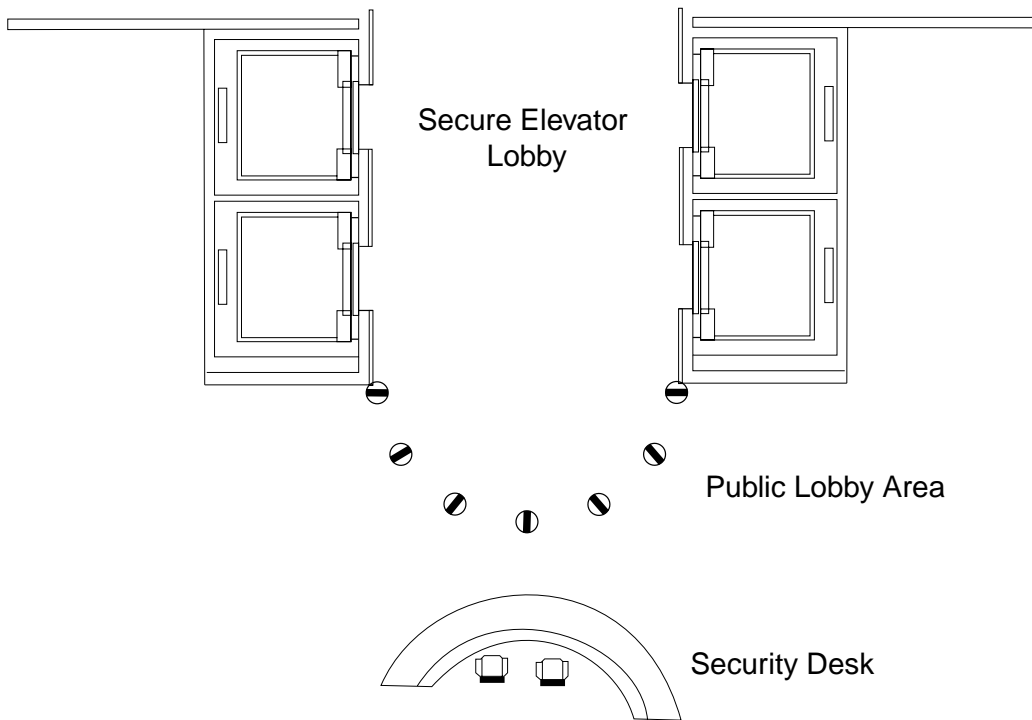
### FEATURES & BENEFITS

- Can be arranged in a circular or angular pattern
- Complements any architectural styling
- Spreads out incoming traffic flow
- 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
- Increases throughput for authorized personnel in limited space areas
- ADA compatible

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# ES860 Canister Style Optical Turnstile - Typical Application



## ELECTRICAL SPECIFICATIONS

Power:	12 VAC @ 6 amp/Walkway
Control Inputs:	N/O - Dry Contact from card reader for valid card.
	N/O - Dry Contact from card reader for invalid card.
	N/O - Dry Contact to override lane operation
Output:	N/O Dry Contact signals alarm for walkway violation
	All relays rated at - 500mA @ 30 VDC

## MECHANICAL SPECIFICATIONS FOR THE BOLLARD

Size:	13 3/8" diameter x 38" H
Mounting:	1/4" plate steel base with 3 slotted mounting holes and 2" conduit hole
Finish:	Top Surface: Dupont Corian/ Sierra Midnight*
	Side Panel: Satin Brushed Stainless Steel*

\*Custom Colors and Finishes are Available.

## 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 thirty (30) people/min. 1800/hr. per walkway. This figure assumes the use of a fast response (1/4 sec) card reader system.
2. Walkway bollards should be spaced 30"-37" apart. Wider spacing results in pedestrians attempting to pass through the lane two-abreast, resulting in a high incident of alarms.

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