

ES831



Barrier Arm Optical Turnstiles

Designed for use in building lobby applications where higher security, high speed throughput and interior aesthetics are priorities. The Optical Turnstiles with Barrier Arms provide a visual as well as psychological barrier which communicates to pedestrians that authorization is required before entering the secured area. These units will monitor high throughput traffic flow of up to 60 people per minute per lane while optical sensors and barrier arms ensure only one person entry for each authorized I.D. card presented.



ES831 Series

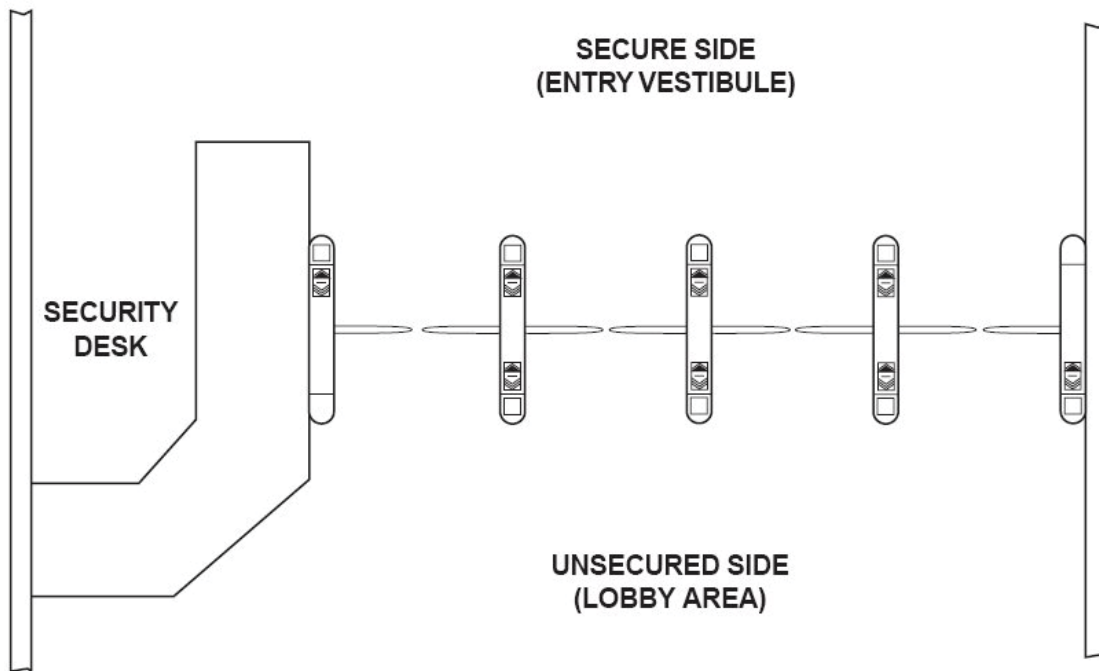
FEATURES & BENEFITS

- Complements architectural styling
- Encourages employees to maintain access control procedures
- Detects tailgating
- Compatible with any access control system
- High throughput easy entry or exit for authorized personnel
- Provides a physical barrier between secured and unsecured areas of the facility
- Field configurable for card-in/card-out or card-in/free-exit operation
- Reduces number of personnel needed to monitor building entry/exit points
- Excellent serviceability
- ADA compatible

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A Detex Company

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ES831 Barrier Arm Optical Turnstile - Typical Applications



ELECTRICAL SPECIFICATIONS

Power:	24 VDC @ 4 amps/Walkway
Control Inputs:	N/O - Momentary "Access Granted" (max. 1 sec. Pulse Closure)
	N/O - Momentary "Exit Granted" (max. 1 sec. Pulse Closure)
	N/O - Momentary "Invalid Card"
	N/O - Maintained "Lane Bypass"
	N/O - Momentary "Emergency Situation"
	N/O - Maintained "Arm Operation Disable"
	N/O - Maintained "Card-In/Free-Exit"
	N/O - Maintained "Entry Closed"
	N/O - Maintained "Exit Closed"
Status Outputs:	N/O - "Alarm Condition"
	N/O - "Passage Completed"
	N/O - "Passage Aborted" (after valid card read)
	N/O - "Invalid Card"
	N/O - "Bypass"

MECHANICAL SPECIFICATIONS

Size:	48"L x 38"H x 10"W with square ends 64"L x 38"H x 10"W with round ends
Construction:	Painted Steel Framework with Laminate Top and Sides
Finish:	Top Surface: Dupont Corian/ Nevamar Fountainhead* Side Panel: Stainless steel, Formica/ Nevamar Laminate* or Powder Coated

*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 60 people/min. 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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