

# Mid-Sized Optical Turnstiles ES850 Series

## Operation:

The Mid-Sized Optical Turnstile is designed for small to mid-sized lobby/entry applications where styling is important. These turnstiles monitor pedestrian traffic flow through an access control point and assure that only one individual can pass for each valid access signal, thus eliminating "Tailgating". Sensing pedestals form pedestrian walkways at the entrance to a controlled area. An individual must be granted access by the facilities access control system in order to pass between the pedestals without activating an alarm. These units are compatible with most types of access control systems and can be field configured for Card-In/Card-Out, or Card-In/Free-Exit.

## Applications:

Entrance and exit points (manned, or visually monitored CCTV) in corporate offices and manufacturing facilities where space is limited and controlled access is essential, but both aesthetics and pedestrian throughput in the area are a major concern.

## Features and Benefits:

- Made in the USA
- Compatible with most access control systems
- No moving parts
- Excellent serviceability (virtually maintenance free)
- Encourages employees to maintain access control procedures
- High throughput (30 people/minute, or 1800 people/per hour, per walkway)
- Localized alarm notifies area personnel of a security breach
- ADA compatible
- Provides visual and audible customer interface
- Aesthetically pleasing
- [Corian \(Sierra Midnight\)](#) top with satin-brushed stainless steel sides (custom colors and finishes may be specified at additional cost)
- Single direction, or bi-direction access control
- Sturdy, all steel construction
- Simple installation

## Options:

- Card-In/Free-Exit walkway
- Card-In/Card-Out walkway

## Technical Data (electrical):

- Power: 12 VDC @ 1.5 Amp/walkway
- Inputs: N/O Momentary (1 second max.) Access Granted signal from Access Control System (entry, exit, ADA entry, ADA exit)  
N/O Remote Bypass (maintained)
- Outputs: N/C Alarm Contact for Walkway Violation – 500mA @ 30 VDC  
N/C Remote Bypass – 500mA @ 30 VDC
- Audible Alarm: 80dB @ 3 ft.

## Technical Data (mechanical):

- Size: 18" Long X 38" High X 6" Wide
- Mounting: 12 gauge steel base with 4 – 9/16" mounting holes and a 2" conduit hole
- Finish: Top Surface – [DuPont Corian/Sierra Midnight](#)  
Side Panel – Satin brushed stainless steel (custom colors and finishes available at additional cost)



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