

## Specification Sheet for ES840

### 1.1 Compact Optical Turnstile (OT)

- A. Compact Optical Turnstiles shall operate with the access control system, utilizing a variety of reader technologies; i.e. proximity, weigand, mag stripe, bar code or biometrics, to monitor pedestrian traffic flow, entering and/or exiting, through an access control point.
- B. Pedestrian throughput shall be 30 people/minute, 1800 people/hour, dependent on the card reader technology and the response time of the access control system.
- C. The product shall be nonrestrictive to handicapped persons and shall comply with the Americans With Disabilities Act of 1990 (ADA).
- D. The unit shall provide monitoring and control of pedestrian traffic for **“Card-In/Free Exit”** or **“Card In/Card Out”** conditions.
- E. The product shall have the ability to insure that one valid card read allows only one valid entry/exit by using an array of active infrared sensors to determine the direction of travel and number of pedestrians passing through the passageway at one time. In the event of a valid card read, but no entry, the unit will re-arm. In the event of unauthorized entry or tailgating, the unit will latch into an alarm condition.
- F. The Compact OT shall utilize local audible (80 dB @ 3 ft.) and visual annunciators to provide communications with the pedestrian concerning walkway usage, access granted and access violations. In the event of an alarm condition, an alarm contact shall be activated for remote monitoring.
- G. The pedestals (bollards) shall be constructed of 16 gauge 302 stainless steel, with a satin-brushed finish, along with an artificial marble top. Dimensions shall be: 8”long x 4”wide x 38”high.
- H. The unit shall provide a control bypass at the security station to allow the lane to be shunted for a visitor passage through the turnstile in either direction.
- I. The Compact Optical Turnstile and associated sub-assemblies shall be manufactured in the U.S.A.
- J. Manufacturer shall be Designed Security, Inc. Model ES840 series optical turnstile.