

DSI™

DESIGNED SECURITY, INC.

A Detex Company



Entry Sentry

Anti Tailgate

Entry Sentry
ES5200 Series Tailgate Detection System



ES5200 Entry Sentry

- 1/4" Tailgate detection, helps ensure that only one person enters a secure area per valid authorization
- Compatible with all access control technology
- Mounts easily on standard door frames and hallway walls
- Blends in with architectural styling
- Field configurable for card-in/card-out or card-in/free-exit operation
- High throughput (30-45 people per minute) dependent on the access control system
- Integrated Lock Control Relay helps provide faster throughput
- Integrated door prop alarm
- Encourages employees to maintain access control procedures

Operation

The **ES5200 Entry Sentry** monitors the entry point into a secured area using proprietary sensing technology that profile objects as they pass through the device. Unique algorithms process the data allowing people with carts or pull bags to pass without causing alarms. In an effort to reduce wiring cost, Entry Sentry offers an integrated Door Prop Alarm, Lock Relay and the option to install status indicators on the opposite side of the door, making the Entry Sentry the most accurate and cost effective anti-tailgate device in the industry.

Electrical Specifications

Power: 12-24VDC @ 500mA

Control Inputs: N/O-Momentary "Valid A card" (max. 1 sec. pulse closure)
N/O-Momentary "Valid B card" (max. 1 sec. pulse closure)
N/O-Maintained "Bypass"
N/C-Maintained "Door contact"

Status outputs: N/O and N/C Lock contact
N/O and N/C Alarm contact status
N/O and N/C Door contact status
N/O and N/C A passage complete contact status
N/O and N/C B passage complete contact status

Mechanical Specifications

Size: 2.0" W x 54.7" H x 2.6' D

Mounting: Direct mounting to doorframe or wall
Optional spacer mounting kit available

Finish: Black with IR plexiglass cover



Illustration of ES5200 Entry Sentry



ES5200



ES5200-R1



ES5200-R2

Optional remote annunciator plates

Available Models

ES5200-R0 Basic Tailgate Detection System.

ES5200-R1 base model with a 1-gang remote annunciator panel for use on the opposite side of the doorway. (shown above)

ES5200-R2 base model with a mullion mount remote annunciator panel to mount on the door frame opposite the tailgate unit. (shown above)

Options

- Remote Annunciator Plates
- Spacer/Mounting Kit

System Design Overview

The DSI **ES5200 Series Entry Sentry** will utilize the building access control system to grant or deny access to the facility. This system will insure that only one (1) pedestrian enters a secured passageway for each valid card read. The system consists of two (2) components using active modulated proprietary sensing technology, mounted on either side of a doorway or passageway.

The Entry Sentry senses and processes pedestrian direction and head count through the sensing arrays on a cycle basis. The system is designed to allow for multiple valid card reads (card count) and multiple passages without the need to wait for the first person to resecure a door. The Entry Sentry will also store valid entry card reads and allow pedestrians to free-exit without causing an alarm or losing the valid entry card read.

The Entry Sentry is truly bi-directional at all times and the system will allow each passageway to be open in both directions at the same time. Selecting a passageway direction is not necessary. This system could be designed as a “Card-in/Free-exit”, or “Card-in/Card-out” system configuration. The access control system outputs could be interfaced to a time and attendance system. The Entry Sentry passageway shall provide high-speed, high-security pedestrian control to the secured area of the facility.

The Entry Sentry design will allow for “one read/one entry” through each passageway. Visual and audible annunciation is provided at each Entry Sentry passageway to provide indication of valid card read, invalid card and alarm conditions. This indication shall be provided by local red and green LEDs on the mullion mount control panel as well as distinctive audible indicators. Unauthorized entry or tailgating latches the system into alarm for local and remote indication, or can provide automatic adjustable time delay reset.

Additional annunciation could be provided utilizing wall mounted vertical graphic arrays (VGA's) on both sides of a door, with nomenclature to indicate: “Proceed/Wait”.

A local key switch will allow for bypass of the Entry Sentry and remote indication of the bypass status. The system may also be bypassed from a remote location.

All components and electronic subassemblies of the ES5200 Series Entry Sentry including the microprocessor controller (MPU) shall be designed specifically for this security product application and be mounted in the mullion mount units. This will greatly reduce the installation costs with regard to man hours, conduit, wire, and cable requirements. All components including the MPU and indicators shall be solid-state design, virtually maintenance free, and manufactured in the USA.

One Card / One Entry Access Control

Control pedestrian traffic at any door

Senses direction and pedestrian count

Tailgating causes local and remote alarms

