ES5200-R0

- Entry Sentry uses 32 infrared sensors to discourage tailgating by allowing only one valid entry at a time
- 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 speed of 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 profiles objects as they pass through the device. Unique algorithms process the data allowing people with briefcases or pull bags to pass without causing alarms. In an effort to reduce wiring cost the ES5200 Entry Sentry offers an integrated Door Prop Alarm, Lock Relay, and the option to install a remote annunciator on the opposite side of the door, making the ES5200 Entry Sentry the most accurate and cost effective anti-tailgate device in the industry.

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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

Alarm: 85dB @ 3 ft

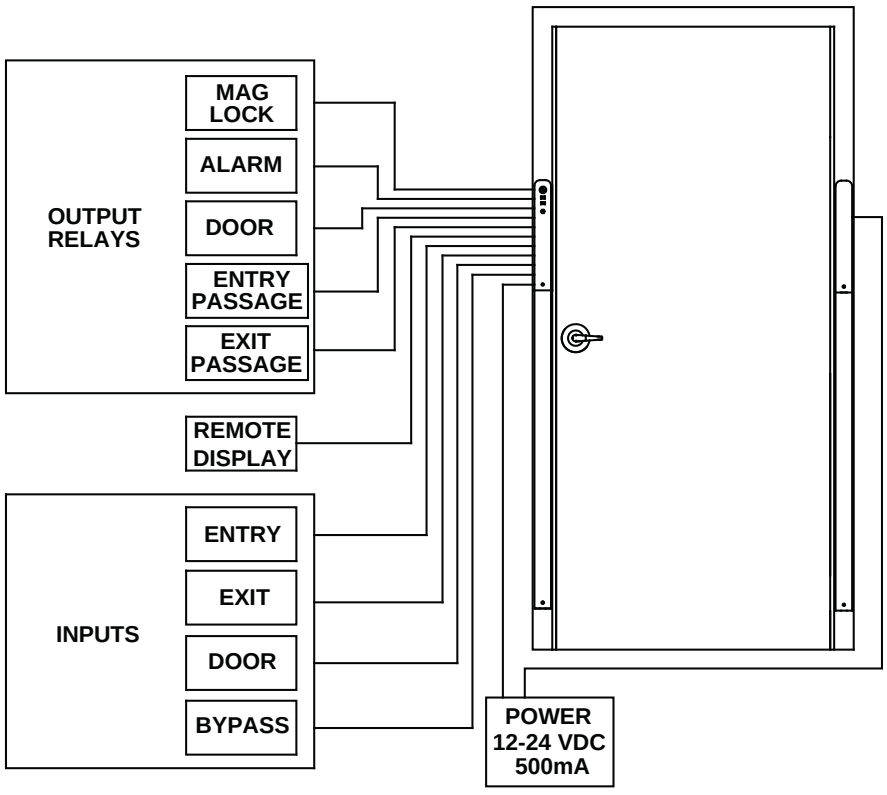
Mechanical Specifications

Size: 2.0” W x 54.7” H x 2.6” D

Mounting:
Direct mounting to door frame or wall
Optional spacer mounting kit available

Finish: Black with IR plexiglass cover

Wiring Diagram



System Design Overview

The **ES5200 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 both sides of a door or passageway.

The ES5200 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 ES5200 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 can be configured to operate as a “Card-in/Free-exit”, or “Card-in/Card-out” system. The access control system outputs may be interfaced to a time and attendance system. The Entry Sentry passageway shall provide high-speed, high-security pedestrian control to secured areas of the facility.

The ES5200 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, invalid card and alarm conditions. This indication shall be provided by local red or green LED as well as optional remote annunciator.

A local key switch will allow for bypass of the ES5200 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 Entry Sentry including the microprocessor controller (MPU) shall be designed specifically for this security product application. This design reduces the installation costs with regard to man hours, conduit, wire, and cable requirements. All components including the MPU and indicators are solid-state design, virtually maintenance free, and manufactured in the USA.