

6.7 Optical and physical barriers

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In business, public services and the leisure industry the challenge to facilities and security management to maintain premises that are efficient, safe, user friendly and secure has never been greater. The need for quick, unhindered access for staff and visitors, while protecting assets, information and personnel from the dangers of unauthorised entry in an aesthetic environment is paramount.

Sentrystile has been designed to provide a solution to the common problems faced by the modern business environment. Sentrystile is a state of the art 'optical' turnstile, which replaces the need for an intrusive physical/mechanical barrier by utilising active infrared beams to create an invisible electronic field between two pedestals. It monitors the passage of every individual entering and leaving the facility, only alerting security staff to the presence of unauthorised entrants. Clients and employees alike pass through Sentrystile's channels with speed and safety whilst all unauthorised entry attempts are identified.

Secure

Sentrystile functions automatically and will alert security staff to all unauthorised entry attempts by triggering an audible alarm and controlling other security measures such as lighting, activating CCTV systems and locking doors. It will also activate an alarm in the event of an illegal action (i.e. if an unauthorised person attempts to enter). Sentrystile also detects the following:

Tailgating – people who attempt to enter without a valid access card by following closely behind an authorised cardholder.

Collusion & Obstruction – alarms when two individuals actively collude to gain entry with a single card, or where beams are deliberately blocked.

Anti-Passback – helps to enforce the 'one card, one person, one direction' rule, assisting the access control system to maintain 'anti-passback' integrity.

Non-entry – can detect when a card is presented but a person does not pass through the channel.

Aesthetic

Sentrystile's discreet presence offers unrivalled benefits in terms of aesthetics and design flexibility. The pedestals can be custom designed to complement the most diverse design concepts, providing a welcoming and non-confrontational entrance to staff and clients alike, ensuring the ultimate in architectural flexibility and security.

User-friendly

The absence of a cumbersome physical barrier ensures fast throughput (up to one person per second) and unrestricted movement for all personnel, with safe disabled access and emergency egress. Users are greeted by an intuitive user interface, in the form of a clear electronic text display, which automatically guides the user through entry and exit. The text display is programmable for alternative messages in different languages, allowing companies to offer a personal welcome to staff and visitors. A unique software package is provided to vary Sentrystile's sensitivity and to tailor the system to the demands of the environment.

Versatile

Sentrystile's primary use is for access control environments which require the similar levels of security to a traditional half height turnstile, but desire the highest level of tailgate detection and discreet aesthetics. The accuracy of sensors enable it to provide on-line population figures providing total usage and real time occupancy levels. When the total reaches a pre-set target the system can activate an alarm to warn of impending capacity and be configured to allow movement in a single direction only (exit or entry only), thus automatically controlling building population. In stand-alone mode, Sentrystile can be used to control areas where only entry or exit is allowed. If a person goes in the wrong direction Sentrystile will alert security.

Easy Installation

Sentrystile has been designed with easy installation and low maintenance in mind. It can be integrated into any existing access control or building management system and can be used in conjunction with most card reading technologies. A quick release base plate ensures simple installation and allows for the quick temporary removal of the pedestals for large deliveries or renovation work. Sentrystile's ability to integrate smoothly with all security technologies makes it the ideal turnstile choice for companies who require a secure, quick, reliable and aesthetic form of access control.



Sentrystyle Door Constable is designed to increase the level of security at any door that uses access control. Door Constable creates an infrared field across a doorway to monitor the passage of every individual passing through the door, only alerting security staff to the presence of unauthorised entrants.

Door Constable maximises the investment in any access control system by raising the security level of any door it is used on. It helps by solving the age old problem of controlling how many people pass through a doorway, and in which direction, once a valid access card has been presented. Most systems allow you to control which cards work at which doors, but once a door is open any number of people can pass through it without presenting a card. Following an authorised user through a door is known as tailgating and it is very easy to do. We have all been told that it is good manners to hold doors open for other people and more often than not good manners win over the good security practise of closing the door firmly behind you to stop someone else coming in. Intruders may therefore be willingly let in to a secure area and the access control system is beaten. Door Constable solves this problem by ensuring each individual who passes through a door must present their access card. This will give security and facilities managers peace of mind that they are making the most of their security system.

Secure

Sentrystyle Door Constable functions automatically and will alert security staff managing the access control system to unauthorised entry attempts. The system also features local alarm annunciation and can trigger other security measures such as locking doors, lighting and activating cameras to monitor the illegal transaction and record the events for later analysis. In addition to standard unauthorised entry, the Door Constable will also help detect the following:

Tailgating – people who attempt to enter without a valid access card by following closely behind an authorised user.

Collusion – when two individuals actively collude to gain entry with a single card.

Obstruction – where beams are deliberately blocked.

Pass-back – helps to enforce the 'one person, one card, one direction' rule, assisting the access control system to maintain 'anti-passback' integrity.

Non-entry – can detect when a card is presented but a person does not pass through the door. In time and attendance applications this will signal fraudulent attempts to 'clocking-in'.

Aesthetic

The modern, low-key design guarantees aesthetic acceptability in any location. The enclosures can be custom finished to provide the ultimate in architectural flexibility and security.

Applications

Door Constable is primarily designed to increase the security level for doors using locks; however it can also be used to provide security on doors without a lock or doorways without a door. Additional applications for the Door Constable include:

Time and attendance control – will automatically warn a T&A system in the event of a card being presented and no one entering i.e. fraudulent attempts to 'clock in'.

Directional control – protecting prohibited points of access e.g. fire exits, retail entrances, and air side/land side areas of airports.

Elevator control – providing control to elevators that are operated by access control systems.

Population counting – can be supplied in a Body Counter format to monitor building population levels and set point limits to ensure fire safety regulations and building population limits are not exceeded.

Easy installation

Offers simple, low cost installation and is maintenance-free, as there are no moving parts. Door Detective can be easily integrated with all access control and building management systems making it ideally suited for both new installations and retrofits alike.