

# Fastlane<sup>®</sup> Door Detective

The Future Of Access Control



## State-of-the-art

Tailgate detection system  
Revolutionary new concept  
Proven technology  
Microprocessor controlled

## Secure

Detects unauthorised entry  
Eliminates tailgating  
Prevents collusion  
Assists anti-passback  
Ensures 1 person 1 card  
Will activate CCTV  
Can lock doors

## Aesthetic

Non-confrontational  
Discreet design

## User-friendly

Fast throughput  
User tolerant  
Safe emergency egress  
Unhindered disabled access

## Versatile

Access control  
Population counting  
Directional control  
Time and attendance  
Elevator control

## Easy Installation

Easy integration  
Low maintenance  
No moving parts  
Uses any card reader



High security tailgate detection system





## Concept

Fastlane Door Detective is designed to increase the level of security at any door that uses access control. Door Detective 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 Detective maximises the investment in any access control system by raising the security level of any door it is used on. Door Detective 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 Detective 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

Fastlane Door Detective functions automatically and will alert security staff managing the access control system to all 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, Door Detective 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** - Door Detective 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 of Door Detective guarantees aesthetic acceptability in any location. The enclosures can be custom finished to provide the ultimate in architectural flexibility and security.

## Applications

Door Detective 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 Detective include:

**Time and attendance control** - Door Detective 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** - Door Detective 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

Fastlane Door Detective 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.

Fastlane® is a registered trademark of Integrated Design Limited  
Fastlane Door Detective patent pending

## Technical Specification

### Power Requirements:

Power Supply input voltage 12Vdc (11.9-14V)  
Power Supply input current 0.25A nom, (1A max)

### Enclosure:

The enclosure comprises of a 70mm diameter acrylic tube that is mounted to a wall-mount bracket.

The approximate dimensions for the Door Detective unit are 670mm (26 1/4") height, 70mm (2 3/4") width and 100mm (4") length.

An aluminium inner screen is fitted within the acrylic tube to facilitate a range of colour finishes.

### Optics:

Pulsed infrared multi-beam array. The unit is available in two beam orientations to facilitate corridor or door applications.

### Indicators:

Red, Amber and Green 10mm LED's are used as the user interface to indicate the status of the door detective.

### System Inputs:

Entry Request (Normally open, volt free)  
Exit Request (Normally open, volt free)  
Door Contact (Normally Closed, volt free)  
Two Auxiliary Inputs (volt free)

### System Outputs:

Alarm (Normally Closed)  
Card Reader Hold (Normally Open)  
Lock Output 12V@ 0.5Anom (1A max)  
Entry Door Monitor (Normally Open)  
Exit Door Monitor (Normally Open)  
TX/RX Unit Signals:

Data

Sync

12Vdc Power

### Population Counter Application:

Data Communications using RS485 to Fastlane Population Interface. Please note that the Door Detective security functionality is not supported in this mode of operation.

Up to 16 Door Detectives may be polled by the Fastlane Population Interface units, the total length of Data Communications is limited to 1500m distance.

### Range:

Maximum distance between Tx and Rx units: 2.5 metres. However, the Door Detective should be installed to ensure single file entry

(Due to continued improvements specifications are subject to change without prior notice.)

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