



## Advanced Side-by-Side Detection

The Door Detective SG represents a breakthrough in entrance monitoring technology, introducing advanced Sidegate Detection® capabilities that elevate security for single and double-door environments. It discreetly monitors authorized and unauthorized traffic to **prevent tailgating and side-by-side collusion** in high-traffic areas. Utilizing sophisticated optical technology and intelligent processing transforms access points into secure entrances that ensure smooth people flow while maintaining high security.

## Advanced Security Technology

The SG model introduces unprecedented detection capabilities through its innovative technology stack.

- Proprietary Sidegate Detection technology for anti-collusion
- Class-leading infrared optical matrix with **12 pulsed beam paths**
- Specialized double-door monitoring capabilities
- Precision tailgate detection within **.25" proximity**

## Functionality

Door Detective SG ensures uncompromised security without impeding legitimate access.

- Monitors bi-directional movement through doorways
- Maintains security even when doors are physically open
- Provides instant feedback of traffic patterns and violations
- IP-enabled communications for remote management

## Security Benefits

By automating entrance monitoring, Door Detective enhances your security investment while removing the human burden of enforcement.

- Provides consistent **24/7 entrance monitoring**
- Remote monitoring and configuration via web interface
- Interfaces with CCTV and access control systems
- Functions as a virtual security guard
- Strengthens anti-passback policy enforcement

## Door Security

# Door Detective® SG

### Product Features

### SG

Dimensions (D x W x H in inches)	4.68 x 2.47 x 29.60
Optical Performance	Up to 88.6" (2250mm)
Tailgate Detection	.25"
Throughput	1 per second

### Sustainability



- LEED Preferred Manufacturing
- Low Voltage/Low Power Consumption
- ISO 14001:2015 Accreditation



### PINPOINT ACCURACY

#### Smart detection reduces false alarms

- Differentiates body mass from smaller objects
- Real-time authorization and violation tracking



### FEATURES

#### Quick and safe operation

- High processing speed reduces traffic build-up
- Web-based configuration and diagnostics



### SUPERIOR DESIGN

#### Inspired, elegant design

- Integrates with doorways to provide both secure and welcoming entry
- Slim, profile complements modern architectural environments



### FIELD PROVEN RELIABILITY

#### Maximized uptime boosts profitability

- Fewer failures mean lower repair costs
- Quality construction ensures lower whole-life costs

## Applications

Door Detective SG excels in environments requiring sophisticated security management..

- Healthcare facilities with controlled access requirements
- Corporate data centers and sensitive areas
- Research and development laboratories
- Multi-tenant office buildings
- Transportation hubs and restricted zones
- Any security-sensitive area where tailgating prevention is essential

## Visitor Management

Door Detective features a visitor management input. When activated by security personnel this allows an individual or group to pass through the doorway, after which the system returns to its secure state.

## Disabled Access

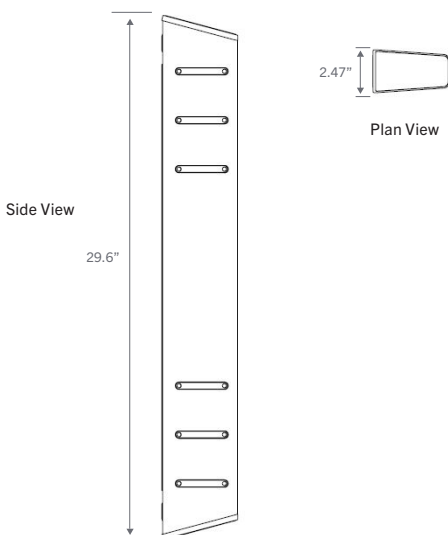
Door Detective does not obstruct the doorway, insuring compliance with ADA and most international standards.

All Door Detective modes are manufactured in the UK by Integrated Design, Ltd.

## DETAILS

### Door Detective SG dimensions

Please see the Door Detective SG Drawing Pack for additional details.



## DOOR DETECTIVE SG TECHNICAL SPECIFICATIONS

Enclosure material	Mild steel - Powder Coated Jet Black RAL 9005 -30% Semi-Gloss
Weight (Boxed Unit)	6.6lbs / 3.0kg
Infrared optical matrix – pulsed beam paths	12
Infrared wavelength nm	940

### Environmental

Temperature	5 to 50 degrees Celsius
Relative humidity	5 to 95% non-condensing
Energy consumption per door	42kW hours per annum (excluding lock power)
Ingress protection	IP20 (Internal building applications only)

### Power Specifications

Power supply rating	12Vdc /24Vdc
Door Detective SG	4W (excluding lock power requirements)
POE	Class 2 standard device

### Access Control Inputs

Voltage-free contact; 1mA current sense	Entry & Exit request (NORMALLY OPEN closing for 1 second)
Screw terminal connector	Visitor entry (AUX1) – NORMALLY OPEN momentary closing contact
Max conductor CSA 16AWG/ 1.5mm2	Visitor exit (AUX2) – NORMALLY OPEN momentary closing contact Door sensor input (DS)
Fire panel integration input (AUX3)	Opto-coupled Input12-24Vdc @ 25mA nominal
Ethernet connection	RJ45 TCP/IP POE Port

### Access Control Outputs

Voltage-free contact; Contact Rating 24Vdc 1A	Entry & Exit monitor (NORMALLY CLOSED opening for 1 second)
Screw terminal connector	Alarm 1 (ALR1) – NORMALLY CLOSED opening for 1 second
Max conductor CSA 16AWG/ 1.5mm2	Door contact (ALR2) – NORMALLY CLOSED contact

### System Outputs

Lock Output (LK)	Power supply voltage (12Vdc / 24Vdc) with a maximum current rating of 1A
Status display	RGB LED diffused through frosted acrylic windows
Alarm sounder output	80 – 90 dB

\* Due to continuous improvements, specifications are subject to change without prior notice.