

# people counter



Delivering real-time data, the People Counter offers:

- Occupancy monitoring to:
  - control maximum or minimum occupancy
  - support evacuation measures
  - trigger demand-controlled ventilation (DCV)
- Wrong-way detection and bidirectional counting
- Wait time determination and queue management
- Flow monitoring

## People Counter

Being able to accurately track and record the precise number of people present in a building or moving through high-traffic areas at any given time is an invaluable asset, not only for safety and security professionals, but also for marketing intelligence gathering initiatives, building automation and to allow organizations to optimize their staffing and energy levels.

# people counter

DS0072\_Issue 1

## SPECIFICATIONS

| TDSi Part No.              | 5012-0041  | 5012-0042                         |
|----------------------------|--|-----------------------------------|
| Mounting Height            | 2.5 to 3m  | 3 to 5m                           |
| Detection Area             | 1.5 m x 0.9 m to<br>2.5 m x 1.5 m  | 1.5 m x 0.8 m to<br>3.2 m x 1.6 m |
| Field of view/illumination | 90° x 60°  | 60° x 40°                         |
| Type of illumination       | Modulated near infrared light (NIR)  |                                   |
| Dimensions                 | 180 mm x 150 mm x 110 mm   |                                   |
| Weight                     | 1.3 Kg (Core Housing) + 1.6 Kg (Design Housing)  |                                   |
| Operating Environment      | -20 °C to +50 °C, 0 to 95 %RH (non-condensing)   |                                   |
| IP Rating                  | IP40   |                                   |
| Power supply               | 24 V DC @ 2.7A Max   |                                   |
| Housing material           | Powder coated aluminium  |                                   |
| Technology                 | 3D MLI SensorTM  |                                   |
| Interface                  | TCP/IP (Fixed or DHCP), RS232  |                                   |
| Configuration              | Web interface HTTP or XML-RPC (optional)   |                                   |
| Outputs                    | Optional relay modules available (connect direct to the sensor or USB port on PC running the occupancy software) |                                   |

## ORDERING INFORMATION

**Part Number: 5012-0041**

**Description:** People Counter (2.5m to 3m)

**Part Number: 5012-0042**

**Description:** People Counter (3m to 5m)

**Part Number: 5012-0047**

**Description:** XML-RPC Communication Protocol

**Part Number: 5012-0048**

**Description:** Design housing, white

**Part Number: 5012-0049**

**Description:** Input/Output Module

## FEATURES & BENEFITS

### High accuracy

Sophisticated algorithms ensure reliable detection of people and objects in the detection area of >99%.

### Immune to changing light conditions

By utilising its own illumination the detection area can be lit normally or be pitch black.

### Web based user interface

Provides simple method to configure system.

### Simple installation

Utilising the design housing reduces time spent on site and impact on employees.

### Threshold limits

Configurable threshold limits warn when number of occupants exceeds the limit.

### Ventilation Control

Alter the amount of air required based upon occupancy to reduce your energy costs.

### Zone configuration

Configure multiple counters into a zone to provide floor by floor occupancy information.

### Web based occupancy tool

Provide information to those that need using standard web browser showing count in all configured zones.

### Wrong way detection

Provide alarm if people try and go against the flow of traffic highlighting a potential security risk.

## SUITABLE APPLICATIONS

Airports, banks, entertainment venues, laboratories, military and police infrastructure, museums, night clubs, offices, public transportation facilities, retail environments and universities.



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