

Overview

The DBPC directional indoor people counter is designed to provide a highly configurable, simple, robust and reliable counting system suitable for public areas with entrances and exits up to 4 metres wide.

The system consists of a transmitter and reflector that are placed on either side of the entrance. The unit is powered either by mains electricity or 12 to 24 volt dc supply. It has an inbuilt rechargeable battery that keeps the logger going in event of power failure. The system uses dual fast-pulse narrow infra-red beam to detect the direction of movement. It operates effectively in all indoor conditions, including strong sunlight.

The units are supplied in strong polycarbonate boxes making the counter highly resistant to vandalism.

The units are straightforward to install with LEDs for easy alignment with the reflector.

Options

Data logger enables the download of data onto a PC and the set-up of variable counting periods.

Wireless option allows for the continuous download of data onto a PC and for the collection of data from several counters.

Can be supplied with npn open collector outputs for interfacing with building management systems.

Additional indoor people counters

Mains IR (non-directional)

Battery IR counters (MIR7B, MIR7P, LIR7)

Features and Benefits

- ◆ Configurable to count people passing in both directions or only one direction
- ◆ Can be configured to display number of people in building
- ◆ 4 metre sensing distance
- ◆ Robust construction
- ◆ Mains or 12 volt operation
- ◆ Unaffected by bright sunlight
- ◆ Optional data logger or wireless connection
- ◆ Optional output available for interfacing to other systems

Benefits

- ◆ Detailed count information for management information or for monitoring numbers in room
- ◆ Can be interfaced to other systems to provide integrated management information
- ◆ Ideal for wide entrances and exits
- ◆ No on-going maintenance required
- ◆ Vandal resistant
- ◆ Easy to install

Target Applications

- ◆ All indoor public places where the numbers of pedestrians passing in each direction is required or where the numbers in building are required.



Dual Beam Directional Indoor People Counter

Specifications

Technology:	Dual reflective fast pulse narrow beam infra-red
Entrance/Exit Width:	4 metres maximum (unit to reflector)
Housing:	Robust polycarbonate
Dimensions:	
Control unit:	122 mm x 80 mm x 86 mm
Reflector:	Diameter = 83 mm
Power supply:	240 volts to 12 volt mains adaptor 12 to 24 volt dc option
Indicators and controls:	
Control unit:	Magnetic switch to reset counter (LCD display model) 2 LEDs for aligning reflector 6 digit LCD display(s) – if no logger or wireless connection

Options

Data Logger	Records date, time and counts for download to PC.
Wireless unit	Wireless link to PC for continuous download of count data. The PC can receive data from multiple counters via the wireless link.
Interfaces	Can be supplied with npn open collector outputs so that the unit can be interface with other systems.



Control Unit