

## Overview

The DIRB 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 6 metres wide.

The system consists of a transmitter and receiver that are placed on either side of the entrance. Powered by two 3.6V C size lithium batteries, the unit can operate for 7 years before they require replacement. A single narrow infrared beam is transmitted across the entrance where two receiver LEDs are used to detect the direction of movement. It operates effectively in all indoor conditions, including strong sunlight.

Both transmitter and receiver units are supplied in strong polycarbonate boxes making the counter highly vandal proof.

The units are straightforward to install with signal strength indicators on the receiver to aid alignment.

## 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

Battery IR counters (MIR7B, MIR7P, LIR7)

## Features and Benefits

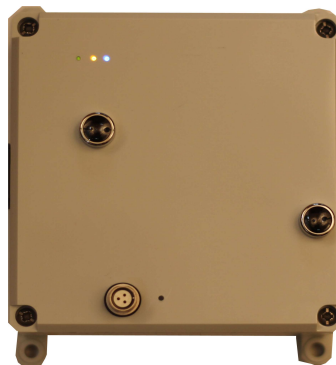
- ♦ Can be supplied to suit application requirements: count 'in and out' and 'in' or 'out' only
- ♦ Can be configured to display number of people in building
- ♦ 6 metre sensing distance
- ♦ Robust construction
- ♦ 3.6V C size Lithium Battery with 7 year battery life
- ♦ Unaffected by bright sunlight
- ♦ 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.



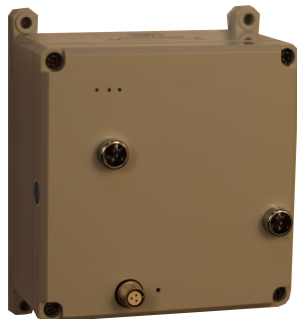
# Directional Infrared Beam Indoor People Counter

## Specifications

<b>Technology:</b>	Dual receiving, fast pulse, narrow beam infra-red
<b>Entrance/Exit Width:</b>	6 metres maximum
<b>Housing:</b>	Robust polycarbonate
<b>Dimensions:</b>	Receiver unit: 120mm x 122mm x 60mm Transmitter: 120mm x 80mm x 60mm
<b>Power supply:</b>	2x 3.6V C Size Lithium Battery Approximately 7 year battery life
<b>Indicators and controls:</b>	
<b>Receiver unit:</b>	<ul style="list-style-type: none"><li>-Magnetic switch for battery and alignment indicators</li><li>-2 LED indicators for signal strength</li><li>-1 LED indicator for battery health</li><li>-Magnetic switch to reset counter (LCD display model)</li><li>-6 digit LCD display(s)- Only applicable for display options</li></ul>
<b>Transmitter Unit:</b>	<ul style="list-style-type: none"><li>-Magnetic switch for battery indicator</li><li>-LED indicator for battery health</li></ul>

## Logging Options

<b>Data Logger</b>	Records date, time and counts for download to PC.
<b>Wireless unit</b>	Wireless link to PC for continuous download of count data. The PC can receive data from multiple counters via the wireless link.
<b>Interfaces</b>	Available with PNP or NPN open collector output for connecting alternative logging devices.



Receiver Unit



Transmitter Unit