

# evolveplus

## LoRaWAN IoT People Counters



Easy Installation



Battery Powered Sensors  
(No Wiring)



Data Transfer via  
LoRaWAN



Centralised Dashboard  
Across Multiple Locations



Optional Robust  
Weatherproof Casing

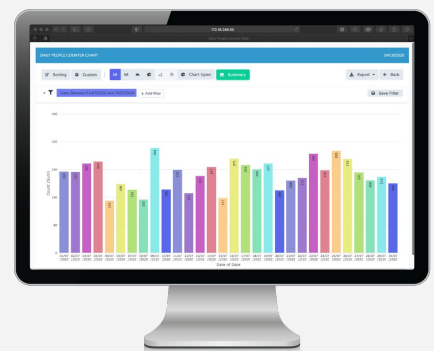


European Designed and  
Built

EvolvePlus offers an extensive range of infrared based people traffic counting solutions that deliver unparalleled accuracy and reliability. Our people counting solutions solve a variety of traffic monitoring challenges for all types of environments including office buildings, retail stores, libraries, galleries, public toilets, footpaths and leisure centres, with models available for both indoor and outdoor use.

The small size and weight of our LoRaWAN people counters allows for installation almost anywhere. Our people counting solution is designed and built in Europe for the highest quality whilst remaining one of the most cost-effective counters on the market.

The LoRaWAN counters consist of 2 sensors (transmitter and receiver) that generate an infrared beam across an entrance. Each time a person walks through the entrance and breaks the infrared beam, the count increases by one. The people counters are bi-directional and will count both 'In' and 'Out' directions and provide totals for each direction. The count data is transferred at regular intervals to your LoRaWAN network provider and can be analysed via the optional EvolvePlus Dashboard.



# Package Features

## LoRaWAN People Counter Sensors (Bi-Directional)

### Battery Powered Sensors

The battery powered people counters have 2 sensors, a transmitter and receiver, which are positioned across an entrance (up to 6 to 8 metres) that generate an infrared beam that is broken by people passing through, and provide separate counts for both "In" and "Out". The count data is transferred at regular intervals to your LoRaWAN network provider of up to 15 minute intervals. The counters are available for the following frequency bands: AU915, EU868 and US915.

The counters sensor are front facing, providing an easy and wire free installation experience. They are supplied with mounting plates that allow them to be fixed to a flat surface, using either screws or double sided mounting tape, or installed using the optional rotational or right angled brackets. The people counters sensors use AA batteries that will last up to 1 year with standard usage, and also available with optional outdoor casing.

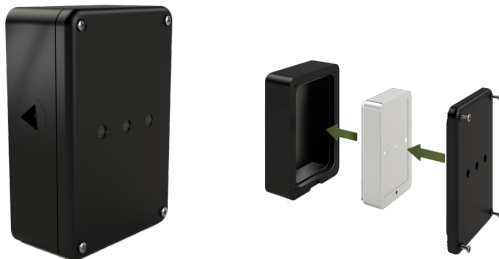


## Optional Robust Weatherproof Casing

Moulded from the finest commercial grade plastic, the weatherproof case is designed to withstand the harsh outdoor elements whilst providing superior security for the counter sensors in a variety of environments including public toilets, footpaths, park entrances, and venues that are exposed to moisture such as swimming pools and leisure centres.

The weatherproof casing is available in two editions:

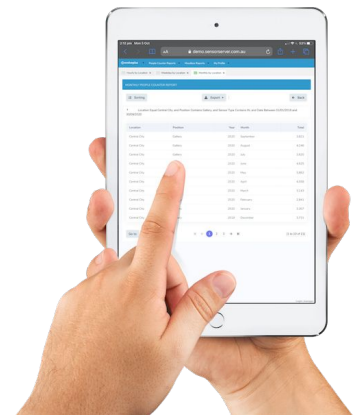
- Black Front Cover - for entrance width up to 3 metres
- Clear Front Cover - for entrance width up to 5 metres



## Integrated IoT Platform

The LoRaWAN people counters can be easily integrated within your organisation's existing LoRaWAN IoT platform by transmitting data to LoRaWAN public, private and community networks such as *The Things Network*. The solution has been optimised to transmit data in tiny 15 to 23 byte packets, for which we provide sample scripts to convert the hexadecimal payloads into JSON data. The payload data includes status, battery voltage, count in, count out and accumulated in/out totals.

The optional cloud delivered EvolvePlus Dashboard allows users to analyse count data by hour, day, week, month, and year in table or graph form. This valuable information reveals peak traffic periods to determine optimal operating hours and staffing requirements, and helps calculate peak visitor times. It is optimised to handle multiple locations and scalable so that additional sensors can be added at any time.



For more information visit:

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