

Alto S50 People Counter - Product Brief



The Alto S50 is a compact, battery-powered, all-weather device, designed to remotely monitor footfall on key routes and quantify the usage of facilities. With built-in anti-tamper features, it harnesses Passive Infra Red (PIR) and Proximity Sensors to measure the volume and direction of pedestrian travel.

The S50 reports to a schedule, but also to User defined events, and it's battery life is designed to more than match annual maintenance cycles. Applicable to both private and public spaces and public buildings, whether indoors or outdoors, choose the S50 to better understand how clients interact with your events and venues.

Benefits

- Footfall and route usage monitoring, including directional count.
- A range of derived metrics, including peak flows and hourly rates.
- No mains power required; monitor footfall in areas previously out of reach.
- Installed in minutes; no intrusive wiring and easily redeployable.
- Avoids the privacy issues associated with camera-based systems.
- An inexpensive complement to, or replacement for, existing systems.

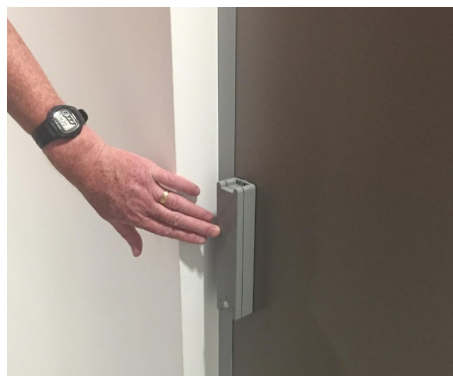
Our Product Family

The AltoNovus suite of devices operates in almost all environments, using power-efficient components and intelligent power management. With a modular design, it is based on a common core control board, to which a range of sensors can be attached via a dedicated board, with a radio/communications module that is configurable to the User's operating parameters:

- Ultra-low standby power (650nA) with Real Time Operating System.
- Learning mode to optimise battery life.
- Highly configurable, including GPS-enabled if required.

Technical Features

- LoRa or SIGFOX enabled.
- Up to 15Km range (environment dependent).
- CE Certification (EN300220) to be undertaken.
- Weight 150g.
- Dimensions (prototype) 176mm x 44mm x 27mm.
- 18 months + battery life (reporting schedule dependent).
- Extended (-20/+60C) temperature range.
- IP67 rated enclosure.
- PIR operating currents from 3uA.
- Proximity Sensor (numeric and directional indicator).
- 1.5M view range; ideal for monitoring corridors, paths, doorways and gates.



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AltoNovus Ltd

AltoNovus was founded in late 2015, with the express aim of harnessing emerging low power radio technologies to bring proven sensor technologies to new applications; primarily those where cost, or lack of mains power, were a barrier to use. A young and agile company, operating in the B2B environment, AltoNovus specialises in rapid prototyping and test, hardware, software and firmware, and sensor system design. We provide:

- Low Power Sensors (design, build and certify).
- End 2 End Systems (commission, manage and maintain sensors, networks, cloud and customer interfaces).
- B2B Partnering & Design Services (hardware, software, prototyping and small batch manufacturing).