IMBUILDINGS

Meeting Room 4

80%
utilized

The Office Occupancy Counter

Working, living, learning and doing sports in a healthy environment where sustainable and efficient choices can be made. The Office Occupancy Counter (OOC) contributes to this. Organisations are making increasingly higher demands on their facilities and working environment. The focus everywhere is currently on a healthy working environment, cost control and sustainability. The "Floor Space" must be arranged and utilised as optimally as possible. This starts with measuring occupancy. The OOC knows and measures how rooms are used. By measuring traffic in the passageways, occupancy can be clarified and the information used to determine the utilisation of a building or room.

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These insights help reduce energy wastage, improve working efficiency and bring costs down. For example, heating can be lowered when occupancy is high (in relation to utilisation). But the heating can also be lowered if the occupancy is low. With the data provided by the OOC, you can also respond to air quality and health in relation to the room. For example, the CO_2 values in public areas.

The OOC gains insight into buildings by looking at how many people are in a room, as well as where they are moving. This useful information offers opportunities for many types of buildings, and for types of organisations. Libraries, universities and offices for example. Rooms can be used optimally, the well-being of staff improved, costs saved, and work done more efficiently. Facility Management (FM) professionals and

organisations can focus on quality instead of on the number of times the cleaning team do their rounds. If rooms are not used, they do not need to be cleaned. This allows FM to work with variable quotation contracts based on quality. They can even show rooms that have been cleaned.

Safe use and sharing of data
Another advantage of the OOC is that the data can be used anonymously. This of course means the OOC meets all the privacy standards.

Plug and Play
Low power communication technologies, such as LTE, LoRaWAN, EnOcean etc. allows plug & play installation of the OOC.

Office Occupancy Counter – LoRaWAN

The Office Occupancy Counter – LoRaWAN works with active infrared technology and looks down above a door. No camera or personal data is used, meaning you will not have issues regarding the European GDPR.

Count values are registered for people entering and leaving. Communication over LoRaWAN using any LoRaWAN network. Event-based transmission allows to transmit data depending on the registered count values.
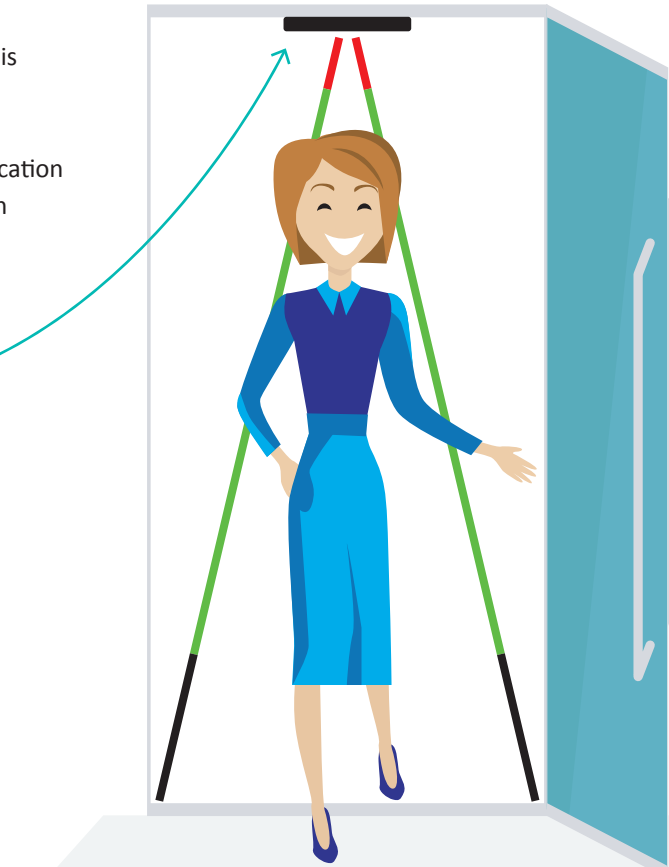
Specifications

Power supply	:	5-24V DC
IoT Communication	:	LoRaWAN (EU868, US915, AS923, AU915)
Max detection distance	:	2 meter
Field od view	:	27 deg.
Dimensions	:	150x50x22mm
Color / Material	:	black / ABS
Configuration	:	NFC
Payload	:	Configurable payload types
Payload cantains	:	status information, count values

50mm
150mm
22mm
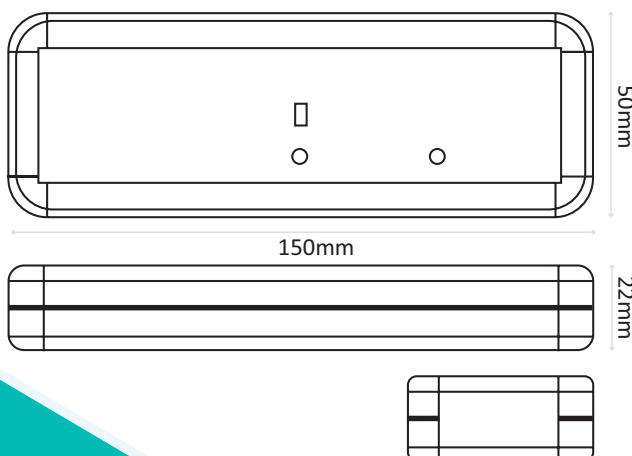
The green detection area can be configured. Distances set by the NFC app or by downlink are measured from the device. By default the lines are set as follows:

- red line @ 15 cm
- green line @ 150cm

Within the app these fields are currently named:

- Minimum height
- Maximum height

- Maximum detecion range is 200cm.

- **Easy configuration**
- **LoRaWAN CertifiedCM**
- **Free from GDPR issues**
- **Active infrared technology**
- **Event-based transmission possible**

For more information, please contact IMBuildings®

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