

Under Desk PIR Sensor

Part No: PIR.180.BAT.WE.E[868]-[902].[S]-[B]

A wireless, battery powered, Passive Infrared (PIR) sensor designed to be mounted underneath a desk. The Pressac Sensing Under Desk PIR Sensor sends a wireless EnOcean® telegram when movement is detected assisting organisations to analyse how spaces are being used.



Features and Benefits:

- Remote commissioning and management
- Configurable absence timer
- Configurable repeat message timer
- Walk test mode for optimum deployment
- Secure AES-128 data encryption

Product Operation:

The Under Desk Sensor will send a message indicating presence has been detected as soon as the first movement is seen. The PIR input will be disabled for 60 seconds after detection of movement. Once enabled again (after 60 seconds), if no further movement is detected for the absence time-out period then an absence telegram will be transmitted.

Once the device is in absence state any detection of movement will result in a presence detection telegram being sent immediately. If there is no change in state for the repeat telegram duration, then a repeat telegram indicating the last state will be transmitted.

Applications:

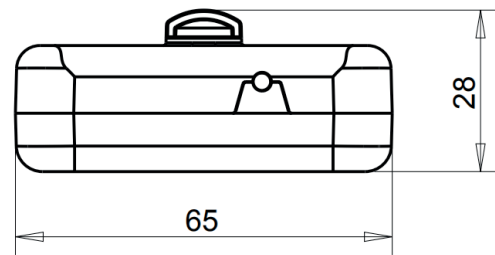
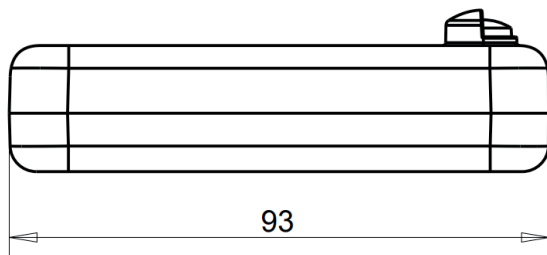
- Office and meeting room utilisation
- Fixed desk occupancy and usage
- Hot desk booking and availability reporting
- Breakout space utilisation

Functionality:

- Fast installation time
- Battery powered

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TECHNICAL SPECIFICATIONS

Detection Range	Typically 0.5 Meters
Presence Detection	Instant
Absence Time Out	Configurable between 2 and 30 minutes
Repeat Telegram	Configurable between 10 and 300 minutes
Learn Button	Configurable ON/OFF
LED Motion Detection Indication	Configurable ON/OFF
Security and Encryption	AES-128 Configurable ON/OFF
Battery Life*	Typically 3 - 5 Years
Repeater	No
Environment	IP2X
Mounting	Screw or Adhesive Pad
Enclosure Material	ABS
Calibration	Not Required
Operating Temperature Range	0°C to +40°C
Storage Temperature Range	-20°C to +55°C
Dimensions of Case	93 x 65 x 28mm Approx
EEP	A5-07-01

*Typical life expectancy of the battery is dependent on use-case.



Pressac Sensing products incorporate EnOcean® wireless technology, and are fully compliant with EnOcean® protocols. The Pressac Sensing range can be integrated with EnOcean® products from over 300 global manufacturers.

EnOcean® is a widely established and global technology, and has been installed in over 250,000 buildings worldwide. The EnOcean® wireless standard is the first to be ratified as an international standard - ISO/IEC 14543-3-10: together with the EnOcean® Equipment Profiles (EEPs) drawn up by the EnOcean® Alliance, this international standard lays the foundation for fully interoperable, open wireless technology comparable to standards such as Bluetooth and WiFi. The standard can be downloaded from www.iso.org.



Pressac Communications Limited

145 Glaisdale Drive West, Bilborough, Nottingham, NG8 4GY (UK)

+44 (0)115 936 5200 @ enquiries@pressac.com www.pressac.com

Registered in England No. 5623170 VAT No. GB 228 0228 31 Registered Office: 145 Glaisdale Drive West, Bilborough, Nottingham NG8 4GY (UK)



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