## Motion Sensor (PIR)



## A Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.0.3
- Dual Passive Infrared detectors and Fresnel Lens
- 7m detection range
- IP50 equivalent
- 123°H x 93°V detection angle



Dataprodukter utöver det vanliga

The Tabs PIR & Occupancy sensor detects occupancy or motion in homes or buildings for security purposes. The sensor can also be utilized in facility management systems to optimize facility usage or cleanliness for desks, conference rooms, bathrooms, etc.

| Specification         |   |  |  |
|-----------------------|---|--|--|
| Frequency             | 868MHz & 915MHz                         |  |  |
| RF TX power           | US: +19dBm<br>EU: +17dBm                |  |  |
| Antenna Gain          | -2dBi Peak, -5dBi Avg                   |  |  |
| RF Sensitivity        | -135dBm                                 |  |  |
| Battery Type          | 3.6V 1/2 AA Li-SOCI2, 1200mAh           |  |  |
| Battery Lifetime*     | Up to 16 months                         |  |  |
| Average Current       | 135mA maximum / 100uA minimum           |  |  |
| Protocol              | LoRaWAN 1.0.3                           |  |  |
| Operation Temperature | 0 to 50°C                               |  |  |
| Environmental Rating  | IP50 equivalent                         |  |  |
| Dimensions            | 50mm x 20mm x 50mm                      |  |  |
| Weight                | 30g without battery<br>40g with battery |  |  |
| Detection Angle       | 123°H x 93°V                            |  |  |
| Detection Distance    | 7 meters                                |  |  |
| Type Approval         | CE/FCC/IC/ANATEL                        |  |  |



## **Motion Sensor (PIR)**

| SKU Detail   |         |          |                      |  |
|--|---------|----------|----------------------|--|
| SKU  | Country | Channels | Frequency Band (MHz) |  |
| TBMS100-868  | Europe  | 8        | EU868 (862~870)      |  |
| TBMS100-915  | USA     | 16       | US915 (902~928)      |  |
| * Samples are also available for IN865_AS023_AU015_KP020 |         |          |                      |  |

\* Samples are also available for IN865, AS923, AU915, KR920.

© Browan Communications Inc., All Rights Reserved. This document is for planning purposes only, and is not intended to modify or supplement any specifications or warranties relating to products of Browan Communications. Browan may make changes to specifications and descriptions at any time, without notice.

