

AL-438-00-868 EnoSense® PIR DOT / white / CE

Combined Motion detector (PIR) and brightness sensor,
internal power supply / battery CR 3032, 41 x 27 mm
Part no. 12862



Interfaces:

Sensor for motion detection (PIR) and brightness

EnOcean unidirectional (internal antenna), power supply CR 3032 /



The sensor **EnoSense® PIR DOT** is a small Motion detector and is used to detect people in a room or in an open space. In addition, it has an integrated brightness sensor.

The device is supplied by an internal battery (CR 3032).

For installation, service and maintenance the **EnoSense® PIR DOT** has a service push button and an internal LED.

The EnoSense PIR DOT integrates the following sensors:

- Motion (PIR)
- Brightness

Technical data

Interfaces

Type	EnOcean
Quantity	1
Transmit/receive center frequency	868.3 MHz / ASK
Frequency range used	868.0 - 868.6 MHz
Maximum transmit power	Typ. +5 dBm @ 868.300 MHz

Sensors

Motion	PIR (3 m detection radius @ 2.5 m mounting height)
Brightness	0 .. 65.535 lux

User interfaces

Service button	Yes, service
Service LED	Yes, for walktest

Housing / Connection technology

Connection technology	n.a.
Housing	Somos® Ledo 6060 or similar

Supply

Backup battery	CR3032 Lifetime: typ. 5 years
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Environmental conditions

Operating temperature	0° .. 40°C
Storage temperature	-20°..+70°C
Humidity	20..85% relative humidity, non-condensing
Protection class	IP20

Dimensions and weight

Weight	25 g
Dimensions	41 x 27 mm

Tests / Approvals

CE	2014/53/EU RED Directive
	2011/65/EU + Annex
	2015/863/EU RoHS-3 Directive

Table of supported EEP (EnOcean Equipment Profile)**Transmit / TX**

Lfd. No.	EEP	Description
1	A5-07-01	Occupancy with Supply voltage monitor
2	A5-07-02	Occupancy with Supply voltage monitor
3	A5-07-03 (default)	Occupancy with Supply voltage monitor and 10-bit illumination measurement

Receive/ RX

Cons. nr.	EEP	Description
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Short description**Power supply**

The **EnoSense® PIR DOT** is supplied by an internal battery of type CR 3032.

EnOcean

The integrated EnOcean transceiver enables uni-directional communication with a building management system.

Functions of the EnoSense® PIR DOT

The PIR sensor will detect a motion and will send a message “occupied” immediately.
In case of continuous motion, a message “occupied” is send all 240 seconds.
When no motion is detected, a message “no motion detected” is send once.

If an EEP with brightness measurement is selected, the value will be transmitted all 240 seconds in case of a changed value. Otherwise the interval will be 15 minutes..

Transmit interval

The default TX interval of the **EnoSense® PIR DOT** is set to **4 minutes**.

Heartbeat message will be send all 12 hours.

Depending on the selected EEP, also a SIG telegram will be send all 10 messages to transmit the status of the battery.

Detection area

The EnoSense® PIR DOT has a detection radius of typ. 3.0 m when mounted at a height of 2.5 m.

Dimensions:

41 x 27 mm



Ordering information

Part name	Part nr.	Description
AL-438-00-868 EnoSense® PIR DOT / white / CE	12862	EnOcean sensor "EnoSense® PIR DOT", Combined PIR motion detector and brightness sensor, for ceiling mounting with high-performance magnet; power supply: internal battery, CR3032, dimensions 41 x 27 mm, EnOcean 868 MHz, CE, housing: Somos® Ledo 6060, white (similar to RAL 9010 / pure white); EEP: A5-07-01, A5-07-03, A5-08-01, A5-08-02, A5-08-03

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