
AL-436-00-868 EnOcean sensor "EnoSense® People Counter" / CE

People counter, batteries 2x AA, EnOcean 868 MHz / CE

Article no. 12432 (beige) / 12452 (black) / 12465 (white)

Interfaces:

Integrated sensors for people counting (incoming/outgoing)

1x EnOcean bidirectional (internal antenna), power supply: internal batteries, 2x AA, 36 mm x 37 mm x 80 mm



The people counting sensor type **AL-436-00-868 EnoSense® People Counter** is used to count the number of people passing by the sensor.

The **AL-436-00-868** detects the direction of movement and increases/decreases the internal counter value (8 bits).

The counter value (1 byte) is transmitted as described below. The counter is implemented as an auto-rollover. It is therefore increased from 255 to 0 and decreased from 0 to 255.

The **EnoSense People Counter** is powered by two internal 1.5 V AA batteries.

The innovative energy-saving technology enables the AL-436-00-868 to operate **for around 5 years** without maintenance / battery replacement.

Technical data

Interfaces

Type	EnOcean
Quantity	1
Transmit / receive center frequency	868.3 MHz ASK
Frequency range used	868.0 - 868.6 MHz
Maximum transmission power	+5 dBm

Sensor: people counting (bi-directional)

Detection range	0,5 - 2,0 m
Counting accuracy	Up to 100 %

User interfaces

Service button	Yes, actuation through hole in the front
Service LED	-

Housing

Housing	PC, various colors
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Power supply

Supply voltage	2x AA batteries, 1.5 V
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Ambient conditions

Ambient temp.	+15..40 °C
Storage temp.	-20..+70 °C
Rel. humidity	0..99 % relative humidity, non-condensing
Protection class	IP20

Dimensions and weight

Weight	94 g
Dimensions	approx. 36 x 37 x 80 mm

Standards / 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**

No.	EEP	Description	Send ID
1	47-D1-07-10 (MSC)	Counter reading, 8 bit (BYTE 0) Supply voltage, 8 bit	EURID

Receive / RX

No.	EEP	Description
-	-	-

MSC data structure

Data field	People	Data field	Voltage	Data field	Switch	Data field	Error
Offset	40	Offset	16	Offset	24	Offset	32
Size	8	Size	8	Size	8	Size	8
Range min / max	0 / 255	Range min / max	0 / 255	Range min / max	0 / 255	Range min / max	0 / 255
Scale min / max	0 / 255	Scale min / max	0 / 5.1	Scale min / max	0 / 255	Scale min / max	0 / 255
Unit	-	Unit	V	Unit	-	Unit	-
Meaning	Counter value	Meaning	Supply voltage	Meaning	Reserved	Meaning	Reserved

Energy supply

The EnoSense People Counter is powered by 2 internal AA batteries of 1.5 V each. The batteries have a service life of at least 5 years without maintenance.

EnOcean

The integrated EnOcean transceiver enables communication with a building management system or EnOcean actuators.

People counting / data transmission

The sensor works on the basis of two PIR sensors, which evaluate a counting pulse in the positive or negative direction depending on the signal.

Each time a movement is detected, the counter value changes accordingly. The changed counter value (+/-) is sent immediately via EnOcean.

Monitoring the supply voltage / maintenance

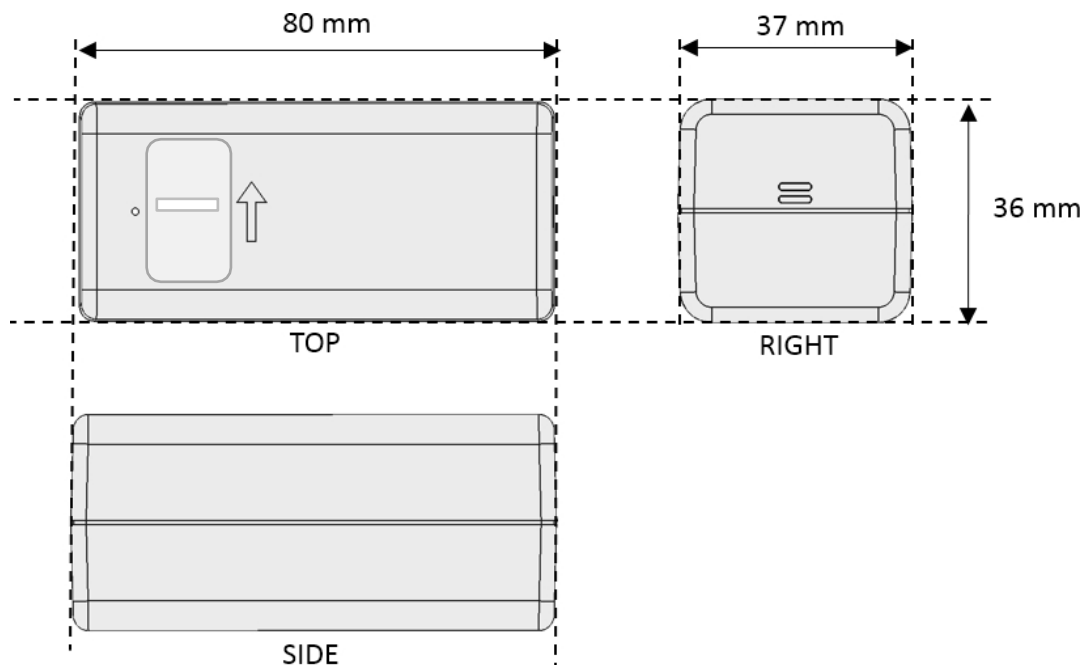
To support remote maintenance, the supply voltage is monitored and sent in every message via EnOcean.

Sending a learning telegram

To teach-in the sensor, the EnoSense® People Counter sends a teach-in telegram as soon as you briefly press the internal service button with a suitable tool (typically a paper clip) (< 1 second).



Dimensions: 36 mm x 37 mm x 80 mm



Order information

Article description	Item no.	Type description
AL-436-00-868 EnOcean sensor "EnoSense People Counter" / beige / CE	12432	Sensor EnOcean "EnoSense People Counter", for counting people (bidirectional); for mounting on smooth surfaces; EEP: 47-D1-07-10; supply voltage 2x AA 1.5 V internal, dimensions 36 x 37 x 80 mm, EnOcean 868 MHz, CE, Housing: PC, beige (similar to RAL 9010 / pure white); incl. adhesive pad
AL-436-00-868 EnOcean sensor "EnoSense People Counter" / black / CE	12452	Sensor EnOcean "EnoSense People Counter", for counting people (bidirectional); for mounting on smooth surfaces; EEP: 47-D1-07-10; supply voltage 2x AA 1.5 V internal, dimensions 36 x 37 x 80 mm, EnOcean 868 MHz, CE, Housing: PC, signal black (RAL 9004); incl. adhesive pad
AL-436-00-868 EnOcean sensor "EnoSense People Counter" / white / CE	12465	Sensor EnOcean "EnoSense People Counter", for counting people (bidirectional); for mounting on smooth surfaces; EEP: 47-D1-07-10; supply voltage 2x AA 1.5 V internal, dimensions 36 x 37 x 80 mm, EnOcean 868 MHz, CE, Housing: PC, signal white (RAL 9003); incl. adhesive pad

Note according to FuAG §20 para. 4:

This appliance is only approved for use within the member states of the European Union.

EU Declaration of Conformity

Hereby, DEUTA Controls GmbH declares that the radio equipment type AL-436-00-868 EnoSense People Counter is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following Internet address: www.deuta-controls.de in the Service/Downloads section (Doc. EUDC2021_191).

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