

AL-444-00-868 EnoSense® Window, CE

Window sensor / door sensor with magnetic contact
item no. 12841

Interfaces:

Magnetic contacts, 1x on the side and 1x on the front

EnOcean unidirectional (internal antenna), supply: CR2032 / +3 V DC,
81 x 41 x 9 mm



The **EnoSense® Window** offers the possibility to easily detect an open window or door by means of magnetic sensors and to transmit the information wirelessly according to the **EnOcean** radio standard.

It is powered by an internal CR2032 battery. The service life is at least 5 years until the battery is replaced.

The sensor and magnet are installed using the enclosed double-sided adhesive tape inside the window frame or on the front of the window frame.

The EEPs (EnOcean Equipment Profile) **D5-00-01**, **A5-14-01** or **A5-07-01** are used. The selection is made via the service button on the front of the device.

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	Type. 6 dBm @ 868.300 MHz

Sensor: Magnetic field

Number of sensors	1x lateral 1x frontal
Max. Distance (typ.)	Frontal: 15 mm Lateral: 7 mm (with enclosed magnet)

User interfaces

Service button	Yes, front side
Service LED	Yes, back

Housing

Housing	Plastic, PC, white
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Power supply

Supply voltage	CR2032, +3 V DC
Power consumption	Type. 1 µA

Environmental conditions

Operating temperature	0 °C ... +60 °C
Storage temperature	-20 °C ... +70 °C
Air humidity	0..95% relative humidity, non-condensing
Protection class	IP20

Dimensions and weight

Weight	15 g
Dimensions	81 x 41 x 9 mm

Tests / approvals

CE	2014/53/EU RED Directive 2011/65/EU + Annex 2015/863/EU RoHS-3 Directive
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Table of supported EEP (EnOcean Equipment Profiles)

Transmit / TX

No.	EEP	Description	Tx-ID
1	D5-00-01	Contacts and switches, single contact,	BASE ID
2	A5-14-01	Multifunction sensor, single contact (window / door), supply voltage monitoring	BASE ID
3	A5-07-01	Presence sensor with supply voltage monitoring	BASE ID

Receive / RX

No. No.	EEP	Description
-	-	-

Device description

Power supply

The **EnoSense® Window** is powered by the CR2032 battery included in the scope of delivery.

EnOcean

The integrated EnOcean transceiver enables unidirectional communication with actuators or a higher-level control system.

Service LED

The **EnoSense® Window** has a green LED on the back for the status display.

Service button

If the service button is pressed briefly (< 1 s), the **EnoSense® Window** sends a learning telegram and exits flight mode if it was previously active.

How the EnoSense® Window works

Detection of an open window/door

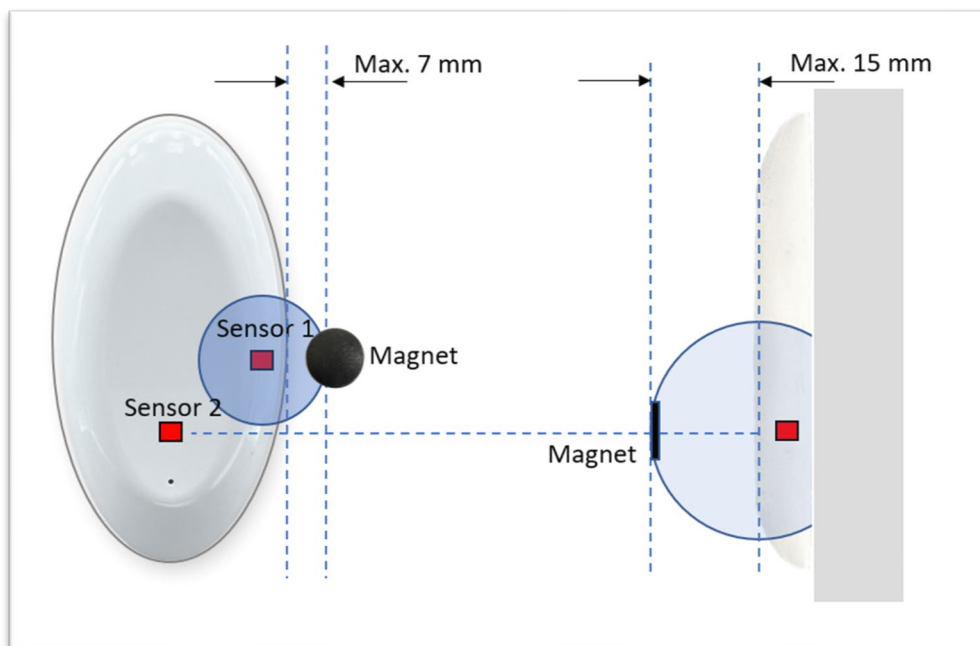
The **EnoSense® Window** has two magnetic sensors, one on the side and one on the front. This means it can be used universally and can be installed either concealed in the window frame or on the front of the window.

As long as or as soon as one of the two internal sensors detects a magnetic field, the **EnoSense® Window** sends a 1 / contact closed. If no magnet is detected, it sends a 0 / contact open.

The transmission interval is as follows:

- Immediately on change of state Solenoid detected / not detected.
- Every 15 minutes if the status has not changed.

Position of the sensors / detection areas



When mounting in the window frame, the distance between the magnet and the **EnoSense® Window** must not exceed 15 mm (see illustration on the right, sensor and magnet facing each other).

If the sensor is fitted to the front of the window, the sensor may be a maximum of 7 mm away from the side.

The positions of the two magnetic field sensors are marked in red in the illustration.

Battery status

After every tenth data telegram, the **EnoSense® Window** also sends a so-called SIG telegram (0x06 : Energy status of the device) with the current battery voltage (0 % = 1.8 V, 100 % = 3.0 V).

Sending EnOcean radio telegrams

The messages are continuously transmitted by the sensor as described above, provided it is not in flight mode.

Sending the learning telegram / selecting the EEP

The **EnoSense® Window** has a service button in the device. This is located on the front and can be operated with a paper clip, for example:



The EEP is selected via the service button as follows:

- | | |
|-----------------------------|--|
| 1x briefly within 3 seconds | :- EEP = D5-00-01
- Service LED flashes 1x |
| 2x briefly within 3 seconds | :- EEP = A5-14-01
- Service LED flashes 2x |
| 3x briefly within 3 seconds | :- EEP = A5-07-01 |

- Service LED flashes 3 times

1x briefly if currently in flight mode :- EEP = **D5-00-01**
- Service LED flashes 1x

Flight mode

Entering flight mode

If the service button is pressed and held, the LED starts flashing after approx. 4 seconds. If the button is released again as soon as the LED stops flashing, the sensor switches to flight mode. The LED flashes again briefly as confirmation.

Exit flight mode

If the service button is pressed once briefly when a sensor is in flight mode, the LED flashes once briefly to confirm that flight mode has been exited.

The **EnoSense® Window**
also sends a learning telegram.
The selected EEP is **D5-00-01**.

Order information

Article name	Item no.	Article description
AL-444-00-868 EnoSense Window / white / CE	12841	Sensor EnOcean "EnoSense Window", for mounting on and in windows or doors; 2 magnetic sensors, 1x front and 1x side; EEP optional: D5-00-01, A5-14-01, A5-07-01; Dimensions: 81 x 41 x 9 mm; Battery CR1632, included; EnOcean 868.3 MHz, CE, housing: PC, color: signal white (RAL 9003)

Note according to FuAG §20 para. 4:

This device is only approved for operation within the member states of the European Union.

EU Declaration of Conformity

Hereby, DEUTA Controls GmbH declares that the radio equipment type **AL-444-00-868 EnoSense Window / white / CE** 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. EUDC2024_111).

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