

ENO-01

EnOcean Opening Sensor



Model number:	ENO-01
Mounting:	Surface-mounted installation on doors and windows (invisible mounting)
Packaging:	1 Pack = 1 sensor

General description

ENO-01 is a wireless EnOcean-based magnetic opening sensor designed for monitoring the status of doors and windows. The sensor operates without batteries using energy harvesting technology, ensuring maintenance-free operation. It communicates via the EnOcean protocol, making it suitable for integration into smart building and HIQ automation systems.

The compact and discreet design allows near-invisible installation on window or door frames while providing reliable open/close detection.

Features

- **Battery-free operation** – powered by energy harvesting (no maintenance required).
- **Wireless communication (EnOcean protocol)** – no wiring required.
- **Magnetic contact detection** – detects opening and closing via magnet separation.
- **Compact and discreet design** – suitable for hidden or low-visibility installations.
- **Easy installation** – surface mounting with adhesive or screws.
- **Long communication range** – reliable RF transmission in building environments.
- **Maintenance-free operation** – no battery replacement required.
- Designed for integration with HIQ systems and EnOcean-compatible gateways.

Specifications

Type:	Wireless Magnetic Opening Sensor
Model:	ENO-01
Communication:	EnOcean (868 MHz EU)
Power supply:	Energy harvesting (battery-free)
Detection method:	Magnetic (reed contact equivalent)
Mounting:	Surface-mounted
Color:	White / Aluminium finish
Operating temperature:	0°C to +40°C
Radio range (indoor):	Up to ~30 m
Radio range (open space):	Up to ~200 m
Protection class:	IP20

Integration Notes

Wireless EnOcean communication:

- ENO-01 transmits telegrams via EnOcean protocol and requires an EnOcean gateway or controller for system integration.

Battery-free operation:

- The device uses energy harvesting, eliminating the need for batteries and reducing maintenance.

Installation positioning:

- The sensor and magnet must be aligned properly to ensure reliable detection of open/close states.

System compatibility:

- Compatible with EnOcean-based systems and can be integrated into HIQ via EnOcean interface module: [MC-230-01](#) .

Signal behavior:

- Sends status updates on state change (open/close) and periodic signals depending on configuration.

Dimensions

Parameter	Value
Length (sensor)	120 mm
Width (sensor)	28.3 mm
Height (sensor)	9.2 mm
Weight	~97 g
Actuation distance	Min. 4.7 mm