

SWO-2-1-00

EnOcean Opening Sensor



Model number:	SWO-2-1-00
Mounting:	Surface-mounted installation on doors and windows (invisible mounting)
Packaging:	1 Pack = 1 sensor

General description

SWO-2-1-00 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:	SWO-2-1-00
Communication:	EnOcean (868 MHz EU)
Power supply:	Energy harvesting (battery-free)
Minimal actuation distance	4.7 mm
Frequency band	868 – 868.6 MHz
Max RF power	+6.2 dBm
Signal range (indoor)	Up to 40 m
Operating temperature	-20 to +55 °C
Protection class	IP32
EEP Profile	D5-00-01
Dimensions (W x L x H)	28.3 x 120 x 9.2 mm
Weight	~97 g

Integration Notes

Wireless EnOcean communication:

- SWO-2-1-00 transmits telegrams via EnOcean protocol and requires [MC-230-01](#) controller with EnOcean gateway

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