

M 4201

REFERENCE
4201

BLE MAGNETIC CONTACT SENSOR

Puck-sized BLE magnetic contact sensor. It detects opening and closing through a Hall-effect sensor and immediately reports any state change to the TRAKmy tracker within range.



Ø 57 × 20 mm

Dimensions Ø × D

41 g

Weight

IP68

Ingress protection

≈ 7 years

Battery life

- BLE iBeacon
- 60 m or more at +4 dBm
- Battery life ≈ 7 years
- Internal 3 V DC lithium cell
- IP68
- -40 °C → +85 °C
- Magnetic contact

Connectivity

TECHNOLOGY

- Bluetooth Low Energy (BLE) beacon

RANGE

- 60 m or more at +4 dBm
- Actual range strongly influenced by the physical environment
- BLE advertising every 2 s

COMPATIBILITY

- All TRAKmy devices with BLE gateway capability

Sensor characteristics

MAGNETIC CONTACT

- Range : 2 cm typ.

MEASUREMENT MODE

- Hall-effect range measured on the arrow-symbol side
- Immediate transmission on state change

Installation

MOUNTING

- Double-sided adhesive indoors · glue outdoors
- Magnet: screws or glue

POWER

≈ 7 years Internal 3 V DC lithium cell · not replaceable

- Up to 7 years of battery life
- Battery life depends on usage

Physical characteristics

Dimensions Ø × D	Ø 57 × 20 mm
Weight	41 g
Housing	DELTRIN (POM C) · food contact 90/128/EEC
Ingress protection	IP68
Operating temperature	-40 °C → +85 °C
Magnet	Ø 32 × 7 mm
Magnet weight	35 g

Certifications

EUROPE

- CE · EN 300 328 / EN 301 489 / EN 55032 / EN 62368-1

USA

- FCC 15.247 / FCC PT 15B

CANADA

- ISED RSS-247 / ICES-003

ENVIRONMENT

- RoHS