

## Strips Multi-sensor +Guard for LoRaWAN



### Strips +Guard is a revolutionary magnetic contact sensor for monitoring windows, doors, and valuables

Open/close detection

Magnetic contact sensor

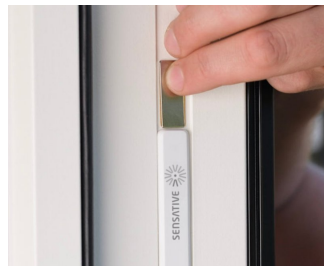
Indoor or outdoor use

Ultra-thin (3mm/0.12in) design

Up to 10 year battery lifetime

Up to 10 km (6 miles) range

Easy installation



#### Documentation and other resources

Visit the [Strips for LoRaWAN Resource Center](#)

#### Use Cases

Visit the [Sensitive IoT Use Case Library](#)



**Description**

With its long **battery life of up to 10 years**, up to **10 km (6 miles) range** and high quality for both **in & outdoor** applications it is the ideal sensor for any professional IoT applications. Strips MS +Guard is a multi-sensor that can also be used for precise temperature & LUX measurements to get a great overview of the climate in or outside of your property.

The **multi-sensor functionality** means that the more you realize your own specific needs, the more value our sensors will bring to your company and its operations. Implementing MS +Guard sensors is a great choice for stepping into the modern world of IoT and PropTech, energy optimization, automation, convenience services, and property protection.

**Features**

**+Guard profile**

- Magnetic contact sensor for Open/Close monitoring
- Tamper alert

**Also includes**

- Capacitance sensor
- Temperature sensor
- Light (LUX) sensor

**Features**

- Sensor memory
- Time based reporting
- Deviation based reporting
- Alarms
- Supports [+Switch](#)
- Suitable for in or outdoor use

**Specification**

**Product** **Strips Multi-sensor +Guard for LoRaWAN**

<b>Features</b>	<p><b>Default</b></p> <ul style="list-style-type: none"> <li>• Magnet Sensor</li> <li>• LED indication</li> </ul> <p><b>Configurable</b></p> <ul style="list-style-type: none"> <li>• Temperature +/- 0.24 °C (0.43 °F) accuracy</li> <li>• Light 1-64000 LUX</li> <li>• Capacitance sensor</li> </ul>
<b>Reporting</b>	Temperature / light reporting based on deviation to save battery
<b>Regions</b>	Europe (863-870 MHz) North America (902 - 928 MHz)
<b>Range</b>	Up to + 14 dBm output power Rx sensitivity -137 dBm Up to 10 km range (free line of sight)
<b>Dimensions</b>	Sensor: 195*15*2.98 mm (7.67 × 0.59 × 0.12 in) Magnets: 1. 30*11*1 mm (1.18 × 0.43 × 0.11 in) 2. Diameter 12 * 3 mm (0.47 × 0.12 in)
<b>Operating Conditions</b>	-30°C to +60°C ( -22°F to +140°F) In- and outdoor usage
<b>Power Supply</b>	Built-in LiMnO <sub>2</sub> battery. Battery life up to 10 years, depending on for instance network radio quality
<b>Magnetic range</b>	Approx. 10 mm (0.4 in)
<b>Device type</b>	Type A
<b>Supports</b>	LoRaWAN v1.0.3 <a href="#">+Switch</a>

**Battery Calculator**

[Go to the Strips for LoRaWAN Battery Calculator](#)

## Patented

Sensitive Strips are protected by one or more of the following patents:

Sweden: SE 537 509

USA: 9,953,496 , 10,720,033

Europe Patent Pending