



Strips Multi-sensor +Guard for LoRaWAN

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

The **invisible window & door sensor** with up to **10 km range** & **10 years** of battery life.

High quality for both **in & outdoor** applications, it is the ideal sensor for any professional IoT application. Strips MS +Guard is a multi-sensor that can also be used for temperature measurements.

- 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



DESCRIPTION

STRIPS MS +GUARD FOR SMART BUILDINGS

Sensative's MS +Guard - the ultra-slim magnetic sensor for monitoring windows and doors, gates, and drawers. The unique form factor enables hidden installations inside the window or door frame or other narrow spaces. Its long battery life of up to 10 years and impressive range of up to 10 km sets it apart, making it perfect for indoor and outdoor IoT applications. The added feature of temperature measurement provides a comprehensive overview of the climate in and around your property. The sensor can be configured to function solely as a beacon, but only when the door or window is open. This feature is particularly beneficial for scenarios involving metal doors or windows, where it can be used to control air conditioning units or alarm systems effectively.

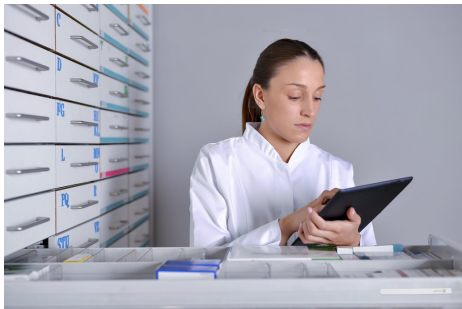
As a multi-sensor, MS +Guard is flexible and customizable to suit your specific needs, making it a valuable investment for your company's operations. It's ideal for businesses looking to modernize their IoT and PropTech, optimize energy usage, automate processes, and enhance property protection.

If you utilize your sensors with a smart building system or our horizontal IoT platform Yggio, you will have a multitude of possibilities thanks to the systems interoperability services. What this means is that you can connect Strips to other IoT devices, systems, and services no matter which technology or protocol, for example, to initiate an alarm if the door is opened or turn off the ventilation when a window has been opened.

BENEFITS:

- Blend-in design (<3mm)
- No maintenance (10 years)
- Long-range (10 km)
- Simple installation & mounting
- Low-lifecycle cost (multi-sensor, multi-purpose)

IMAGE GALLERY



SPECIFICATION

Application	
Application	Security, Room sensor, Window and door monitoring
Benefits	
Benefits	Blend-in design, No maintenance (10 years), Long-range (10 km), Simple installation & mounting, Low-lifecycle cost (multi-purpose multi-sensor)
In/Outdoor usage	Indoor & Outdoor
Features	
Sensor	Open/Close, Temperature
Functionality	Tamper alert
Firmware update over the air (FOTA)	No
Connectivity data	
Frequency	EU868 - Europe 863-870 MHz or AS923 - Asia 915 - 928 MHz or US915 - US 902 - 928 MHz or AU915 - Australia 915 - 928 MHz or JP920 - Japan or IN865 - India
Protocols / Connectivity	LoRaWAN
LoRaWAN version	V 1.0.4
LoRaWAN class	Class A
Antenna	Integrated
Sensor data	
Temperature accuracy	± 1 °C/ 1.8 °F @ 0-30 °C/32-86°F
Sensor type	Magnetic contact
Power supply	
Powered by	Battery, Built-in battery (LiMnO2), 1,4 Wh (480 mA @ 3V), Non rechargeable battery
Operating Conditions	
Operating temperature (max)	+60°C
Operating temperature (min)	-20°C
IP Class	67, 67
Mechanical data	
Weight (g)	11
Width (mm)	15
Height (mm)	3
More information	
Manual URL	https://public.yggio.net/docs/strips/multi-sensor/#strips-ms-guard
Battery calculator	https://sensative.com/sensors/strips-lora-sensors/sensative-strips-lora-battery-calculator/
Payload decoder	https://sensative.com/sensors/strips-lora-sensors/sensative-strips-lora-ms-resource-center/

PATENTED

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

Elongated wireless sensor assembly

Sweden: SE 537 509

Europe: 3053152

EP 3 670 811 B1

USA: 9,953,496

USA: 10,720,033

USA: 11,170,617

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