

Strips Multi-sensor +Drip for LoRaWAN



Meet the ultra-slim multi-sensor with water leak alarm for LoRaWAN

Water-leak sensor

Temperature sensor

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 [Sensative IoT Use Case Library](#)



Description

Strips MS +Drip is an innovative **ultra-thin (3mm/0.12in)** and wireless multi-sensor for LoRaWAN with water leak detection, developed for smart IoT applications such as building monitoring and operations. MS +Drip is excellent at detecting any water leakage and its slim and sturdy design makes it perfect for mounting concealed in small spaces. With a **battery life of up to 10 years**, you can set it and forget it.

Apart from water leakage, MS +Drip provides temperature, ambient light (LUX) measuring, as well as magnetic open/close detection (suitable for applications such as windows and doors). This multi-functionality means that the more you realize your own specific needs, the more value our sensors will bring to your company and its operations.

Basic applications for MS +Drip is to alert in case of a water leak, and the temperature sensor can be used to alert if there is a risk of freezing pipes. Integrated to a smart building system and other IoT devices, MS +Drip can automatically turn on/off water flow or sound an alarm to alert the user about the water leak.

Features

+Drip profile

- Water leak (capacitance)
- Temperature

Also includes

- Light (LUX) sensor
- Magnetic contact sensor

Features

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

Specification

Product	Strips Multi-sensor +Guard for LoRaWAN
Features	<p>Default</p> <ul style="list-style-type: none"> • Flooding alert • Temperature +/- 0.24°C (0.43 °F) accuracy • LED indication <p>Configurable</p> <ul style="list-style-type: none"> • Magnet Sensor (door magnet not included) • Light 1-64000 LUX
Reporting	Temperature / light reporting based on deviation to save battery
Regions	Europe (863-870 MHz) North America (902 - 928 MHz)
Range	Up to + 14 dBm output power Rx sensitivity -137 dBm Up to 10 km range (free line of sight)
Dimensions	Sensor: 195*15*2.98 mm (7.67 × 0.59 × 0.12 in) Magnet: 12*2 mm (0.47 × 0.12 in) Mounting plate: 195*15*3 mm (7.67 × 0.59 × 0.12 in)
Operating Conditions	-30°C to +60°C (-22°F to +140°F) Indoor usage
Power Supply	Built-in LiMnO ₂ battery. Battery life up to 10 years, depending on for instance network radio quality

Device type	Type A
Supports	LoRaWAN v1.0.3 Supports +Switch

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