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Use cases

Strips Multi-sensor +Drip for LoRaWAN

Meet the ultra-slim LoRaWAN water leak sensor

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.

- **Water leak sensor**
- **Temperature alert sensor**
- **Ultra-thin (3mm/0.12in) design**
- **Up to 10-year battery lifetime**
- **Up to 10 km (6 miles) range**
- **Easy installation**

DESCRIPTION

Strips Drip LoRaWAN

Strips LoRaWAN Drip is an ultra-thin (6 mm) wireless sensor designed for accurate and early detection of water leaks in buildings and infrastructure. Its slim and discreet form factor allows installation in confined and hidden spaces—such as under sinks, near pipes, or in technical areas—where leaks are most likely to occur.

The sensor provides fast and reliable detection of water presence, enabling immediate action before damage becomes costly.

With a battery life of 10+ years – designed for long-term, maintenance-free operation, Strips Drip is ideal for large-scale deployments where reliability and low operational cost are essential.

Typical use cases

- Water leak detection in residential and commercial buildings
- Monitoring under sinks, appliances, and HVAC systems
- Protection of technical rooms and critical infrastructure
- Early warning of pipe leaks and water damage
- Freeze risk indication using temperature data

Key advantages

- Accurate leak detection – immediate detection of water presence
- 10+ years battery life – designed for long-term, maintenance-free operation
- Discreet design – ultra-thin and easy to install in hidden or tight spaces
- Early risk detection – temperature monitoring enables freeze warnings
- Easy installation – fully wireless, no cabling required
- Multi-function sensor – combines water leak detection and temperature

Integration & functionality

Strips Drip integrates seamlessly with Sensative's IoT platform Yggio and other building systems. This enables automated actions such as shutting off water supply, triggering alarms, or sending instant notifications in case of a leak.

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IMAGE GALLERY

SPECIFICATION

Application

Application	Water leak detection

Benefits

Benefits	Blend-in design, No maintenance (10 years), Long-range (10 km), Simple installation & mounting, Low-lifecycle cost (multi-purpose multi-sensor), Freeze alarm
In/Outdoor usage	indoor & sheltered outdoor

Features

Sensor	Water leak, Temperature, Open/Close
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 KR920 - South Korea 902 - 928 MHz 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 (LiMn02), 1,4 Wh (480 mA @ 3V), Non rechargeable battery

Operating Conditions

Operating temperature (max)	+60°C
Operating temperature (min)	-20°C
IP Class	67

Mechanical data

Width (mm)	15
Height (mm)	6

More information

Manual URL	https://public.yggio.net/docs/lorawan-sensors/strips-multi-sensor/#strips-ms-drip
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

Sensative 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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