



NEW

# LR-MS

## 9V LoRa™ Sensor Module

The LR MS is a battery-powered, waterproof LoRa™ sensor data acquisition module. It can connect a wide range of sensors : from weather probes (rain, humidity, anemometry and temperature) to water meters, soil moisture probes, pressure sensors, level sensors and more. Paired with a Wi-Fi or 4G gateway, access your data from anywhere. On the MySOLEM.com platform, view and retrieve your data, and even automate your watering according to your set thresholds for each sensor. Choose the version compatible with the sensors you plan on using.

Compatibility



Outputs

1/4

Power



Connection



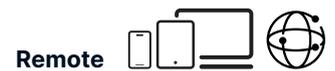
Range to gateway

800\* m / 0.5 mile

Range to sensor

30 m / 0.01 mile

Control



\* Range up to 800m. Range may vary depending the installation's configuration.

### INSTALLATION

- 3 configurable inputs to choose from :
  - Dry contact (rain sensor, wind sensor, ...)
  - Pulse (flowmeter, wind sensor, ...)
  - Analog (0-3.5V) (moisture sensor, solar radiation, ...)
- 1 temperature acquisition input (type PT100)
- Operating temperature : from -20°C to 60°C or -4°F to 140°F

### FONCTIONNEMENT

- 100% waterproof (IP68 Rated)
- 6AM6 or 6LR61 9V Alkaline battery
- Bluetooth® Smart 4.0 Low Energy
- LoRa™ radio communication
- NFC Communication
- Requires connection to a Wi-Fi or 4G gateway

### DIMENSIONS

- Width : 14 cm / 5,9 in
- Height : 9 cm / 3,54 in
- Depth : 5,5 cm / 2,16 in

3-year WARRANTY



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## Temperature

Thanks to the dedicated temperature input (LR-MS4 only), manage your irrigated according to soil or air temperature.



## Sol moisture

Thanks to the 3 non-dedicated inputs, install one up to three probes on your LR-MS, control and optimize the irrigation of your plant according to its needs.



## Anemometer

Optimize your irrigation by stopping your watering system in case of strong winds.



## Rain

Water only when necessary by connecting a rain sensor to your LR-MS. Automatically stop your watering system when it rains.



## Water meter

Connect a water meter and manage your water consumption, define daily thresholds, and receive timely alerts.



## Real-time data\*

Collect data from your sensors in real time\* and automate your watering based on your thresholds.



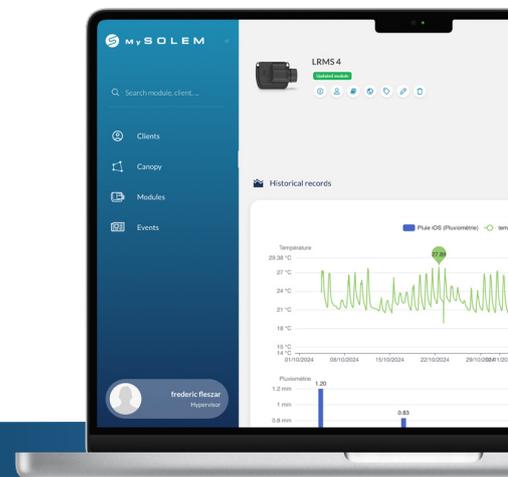
Find all compatible sensors on [solem-irrigation.com](https://solem-irrigation.com)



**Install. Program. Automate.**



\*Depends on the installation configuration.



For professionals, discover more features on our free platform **MySOLEM.com**.