



# SOLEM


## LR-MS

### START GUIDE



The LR-MS is a Bluetooth® / LoRa™ connected battery-based Sensor Module that allows the acquisition of measurements from temperature, humidity, flow, anemometer, sunshine ... sensors and transmits them remotely through a remote sensor LR-BST-25 or LR-MB.

- 1 Remove the **LR-MS** plug. Connect the **9V battery** and put the plug.
- 2 Download and launch the **MySOLEM** App from your smartphone or tablet.

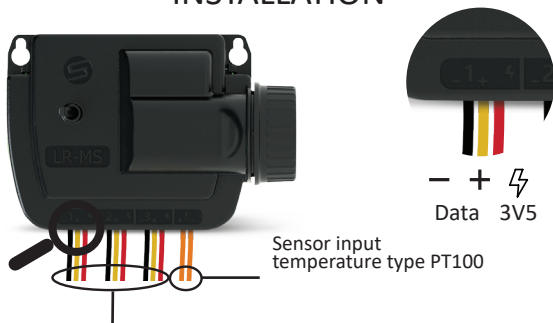


- 3 Tap on «**Add a controller**».
- 4 Select your LR-MS from the list of available products by identifying it by its default name (label on the back of the product).
- 5 To pair with your LR-BST-25 : select it from « Controllers » page. Switch to pairing mode by pressing  , then « Pairing mode ». Return to the « Controllers » page.

To pair with a LR-MB, skip to step 6 .

- 6 Select your LR-MS from the list of installed modules, press , and then «remote access». Choose a LR-MB or LR-BST-25 associated with your account, press  to validate the association.

## INSTALLATION



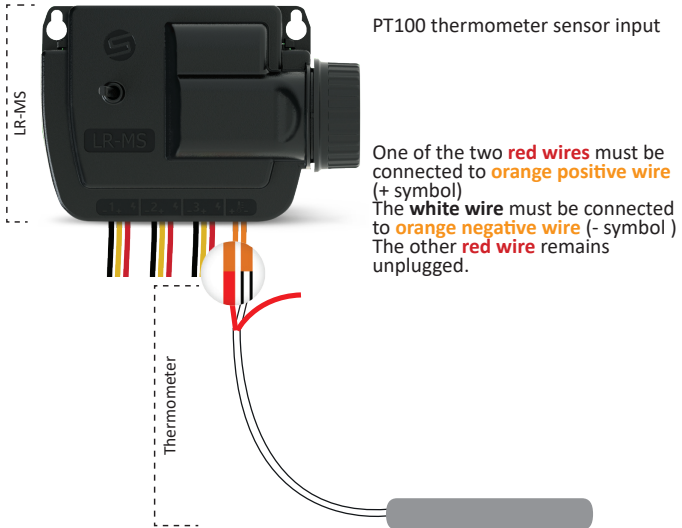
Configurable acquisition inputs

- Dry contact (rain sensor, anemometer, ...)
- Impulsive (flowmeter, ...)
- Analog 0-3.5V (humidity sensor, sun sensor ...)

*Red wires: 3.5V power supply*

# PROBES CONNECTION

## Thermometer sensor



# SENSOR CONNECTION

## Moisture sensor



Example moisture sensor :  
VH 400



The LR-MS' **black wire** must be connected to the sensor's **grey wire**  
The LR-MS' **yellow wire** must be connected to the sensor's **black wire**  
The LR-MS' **red wire** must be connected to the sensor's **red wire**

Moisture sensor



## DECLARATION OF CONFORMITY

Solem Electronics said that the Connected Sensor Module type LR-MS complies with the essential requirements of :

- 2014/53/UE (RED)
- 2014/35/UE (LVD)
- 2014/30/UE (EMC)

This product meets the following standards:

BLE standard : ETSI EN 300 328 v2.1.1

RADIO standard : EN 300 220-2 SRD 25Mhz 1 Ghz

EMF standard : EN 62311 (2008) et la recommandation 1999/519/CE

EMC standard : ETSI EN 301 489-1 v2.1.1 et ETSI EN 301 489-17 v3.1.1

Safety standard : IEC 60950-1:2005 (2nd Edition) + A1: 2009 + A2: 2013

and EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013

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