



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.

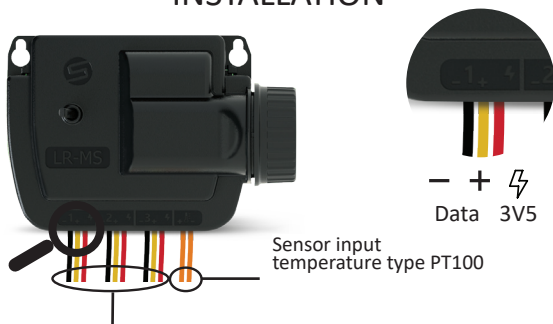


- 3 Tap on «**Add a controller**».
- 4 Select your LR-MS from the list of available products by identifying it by its default name (label on the back of the product).
- 5 To pair with your LR-BST-25 : select it from « Controllers » page. Switch to pairing mode by pressing , then « Pairing mode ». Return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



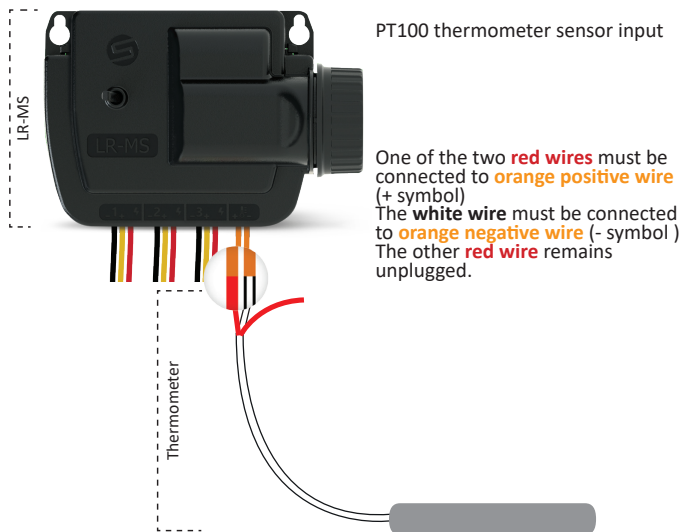
Configurable acquisition inputs

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

Red wires: 3.5V power supply

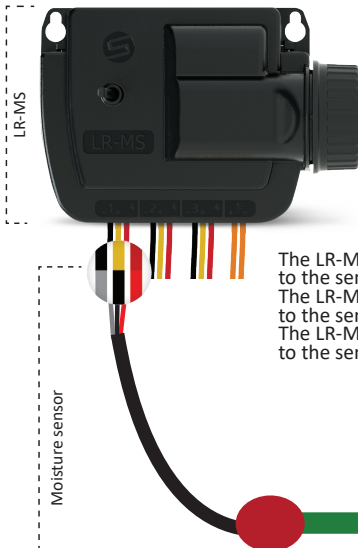
PROBES CONNECTION

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**

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

Clapiers, 22/06/18

SOLEM ELECTRONIQUE

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34830 Clapiers

FRANCE

Olivier Aussillous



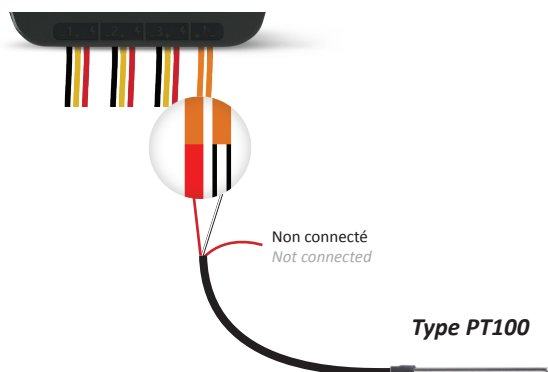
CÂBLAGE SONDES CONNECTÉES

Connected sensors wiring



TEMPÉRATURE

Temperature



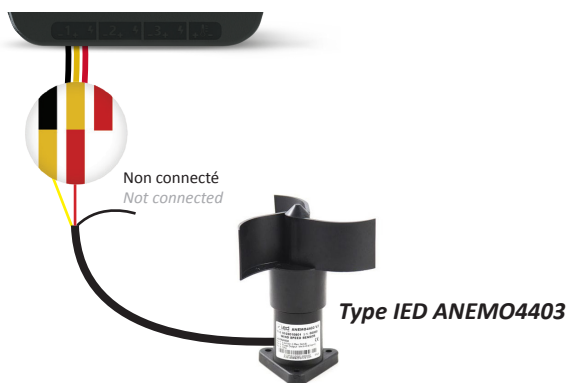
PLUVIOMÈTRE

Rainfall



ANÉMOMÈTRE

Wind speed



PLUVIOMÈTRE

Rainfall



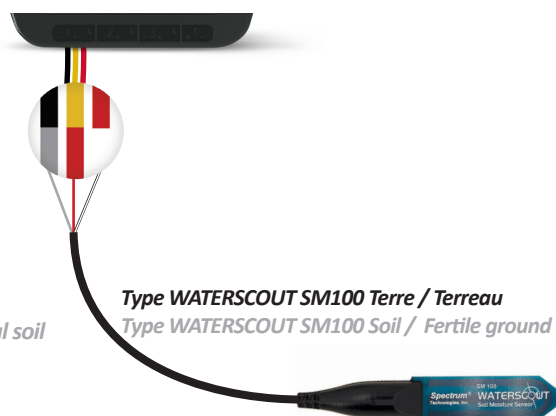
HUMIDITÉ

Soil moisture



HUMIDITÉ

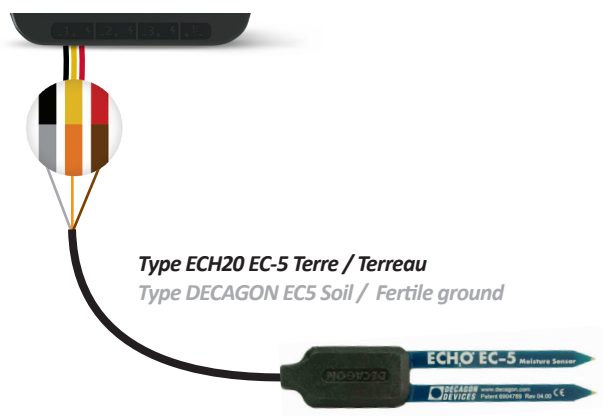
Soil moisture





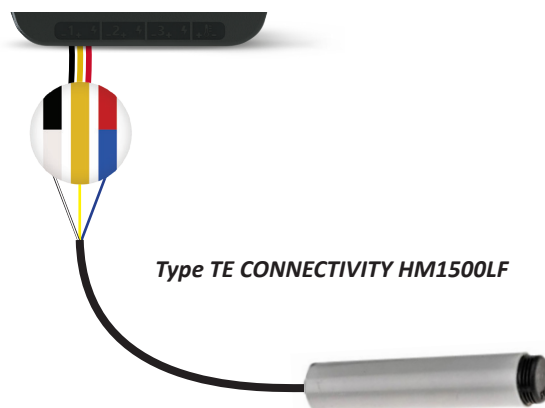
HUMIDITÉ

Soil moisture



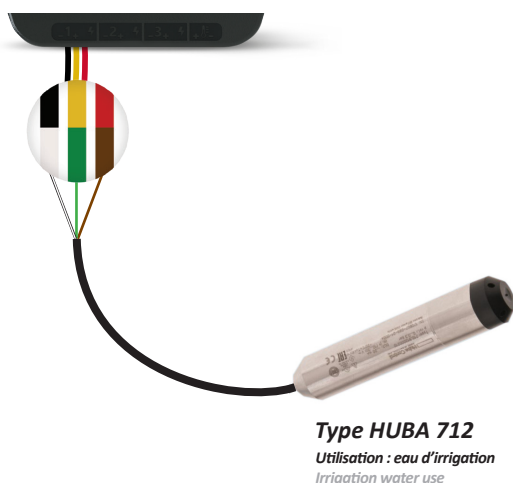
HUMIDITÉ DE L'AIR

Air moisture



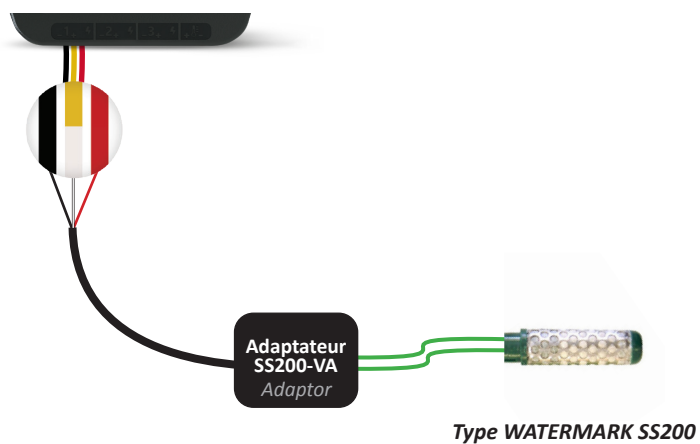
NIVEAU

Level



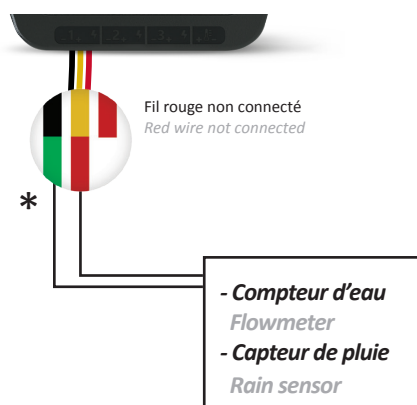
TENSIOMÈTRE

Tensometer



CONTACT SEC

Dry contact



* La couleur des fils des capteurs dépend du type de capteur utilisé
The color of the wires sensor depends on the sensors used