



LR-PR

INSTALLATION GUIDE

PRESENTATION

The LR-PR kit is a set consisting of a Bluetooth®/LoRa™ acquisition module equipped with a pressure sensor. This kit transmit pressure information ranging from 0 to 16 bars to the MySOLEM platform or application, allowing you to monitor the pressure of your system. Once you have defined trigger thresholds, the MySOLEM platform will alert you in case of an exceedance and enable you to protect your equipment.

Step 1

DOWNLOADING

1. On your smartphone and/or tablet, go to the **App Store** or **Google Play**.



2. Search **MySOLEM** in the search bar.



3. Download the **MySOLEM** application.



4. Once installed, activate the Bluetooth® on your smartphone and/or tablet.

ASSOCIATION Bluetooth®

1. Unscrew the LR-PR cap.
2. Connect a 9V battery type 6LR61 or 6AM6 and screw the cap back on.
3. Launch the **MySOLEM** application from your smartphone and/or tablet.
4. If you do not have any module installed, click on **Add a controller** or if you already have one or several module, click on the + button.
5. Click on **LR-PR**.
6. Choose the LR-PR from the available controllers list. The number displayed corresponds to the **Default name** on the product's label.

Note: For 2 minutes after inserting the battery, the product is in installation mode and appears in green in the list. In this mode, the product does not require the security key if it was entered during a previous installation.

Your module is linked in the application and appears in the list of available controllers.

PAIRING

To the LR-BST-25, LR-BST-REACT, LR-MB10/30, or Irrigation Station.

In the case of a pairing with a LR-MB10/30, LR-BST REACT, or an Irrigation Station, go directly to the step 4.

When you receive the product, even if a preliminary range study between the gateway and the product has been conducted (<32ft), we advise to pair the products in close proximity to each other.

In the case of a pairing with a LR-BST-25:

1. Place the LR-PR near the LR-BST-25 (<32ft).
2. Go to the **Controllers** page and select your LR-BST-25.
3. Switch the LR-BST-25 to pairing mode: click the  icon at the top right corner and click **Pairing mode** at the bottom of this page.

The LR-BST-25 remains in this mode for 1 hour to pair your product.

4. In the page **Controllers** page, select the LR-PR. Click on  at the top right corner.
5. At the bottom of the page, click on **Remote access**.
6. Select your Wi-Fi or 3G/4G gateway.
7. Click on  to validate.

TEST CONNEXION LoRa™

Once your network is set up—gateways installed and modules paired—you can test the LoRa™ connection at any time to validate their communication.

1. Connect the LR-PR via Bluetooth®.
2. At the top right corner, click on the icon .
3. At the bottom of the page, click **Remote Access**.
4. Press  to test the LoRa™ connection.

- The message **Connection established** indicates that the connection is reliable.

- The message **No connection established** indicates that it is necessary to bring your LR-PR closer to the LR-MB or vice versa.

In case the connection is not reliable, move the LR-PM closer to the LR-MB / LR-BST / Connected Irrigation Station, and repeat the procedure.

LoRa™ Connection Status

In this example, the icons reflect the status of the last LoRa™ connection between the LR-MB10/30 and the LR-PR module.



Connection < 5mn



5mn < Connection < 10mn



Connection > 10mn
Changes not transmitted



Connection never made

By pressing one of the icons you get a message giving the status of the LoRa™ connection.

Security key

The security key allows you to protect your controller. This function will not prevent the theft, but your product will be unusable.

Activate the security key:

Each time you add a programmer, the MySOLEM application ask you to activate or not this function.

If you want to use it: click **Yes** and enter a password.

You can activate the function after the association of the product:

1. Click on your product.
2. At the top right corner, click , click  Security key and add a password.

Step 4

INSTALLATION



Sensor supply voltage: 5VDC
(SELV)

Sensor measurement pressure:
Up to 16 bar

Installation recommendation:

Before installing the sensor on the pipeline, disconnect the connector from the LR-PR.

Type of connector

Metri-Pack 150 connector

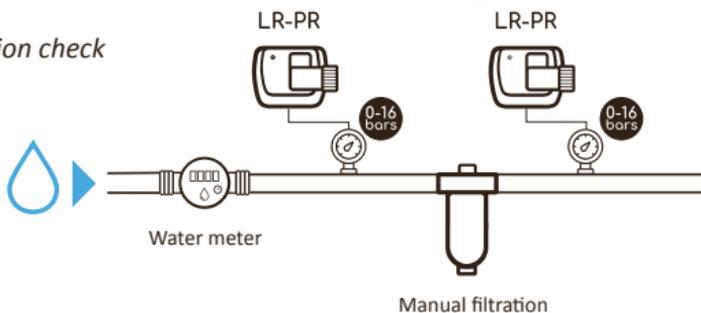
Only replace the sensor with a sensor that has a waterproof connector (R-1 48791997).



Mounting

Example:

Filter contamination check



The LR-PR can be installed in a valve box or directly on the pipeline, secured with hose clamps.

In the case of wall mounting, secure the LR-PR as close as possible to the filter using the provided screws.



TECHNICAL SPECIFICATIONS

Use:

Indoor/outdoor

Permissible humidity: 100% (IP68)

Maximum operating temperature: 122°F

Operating altitude: up to 1.2 miles

Garanty: 2 years

Dimensions:

Width 5.5 inches x Height 2.1 inches x Depth 3.5 inches

Power supply:

9V alkaline battery 6AM6 or 6LR61 (not included)

Frequency band used and maximum emitted power:

Bluetooth®: [2400-2483.5]Mhz, 1mW

LoRa™: [868-868.6]Mhz, 25mW



This symbol indicates that the product uses a Bluetooth® technology radio



This symbol indicates that the product uses a LoRa™ technology radio.



The symbol “CE” indicates that this device complies with the European standards on safety, health, environment and user protection. Devices with the symbol “CE” are intended for sale in Europe



This symbol indicates that these types of electrical and electronic equipment must be disposed of separately in European countries. Do not dispose of this device with your household waste. Please use the collection and recycling points available in your country when you no longer need this device.



If the device is used in a manner inconsistent with the instructions provided in this manual, the protection offered by the device may be compromised.

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