SOLEM

THE CONNECTED IRRIGATION EXPERT

LR-OL

LoRa

Bluetooth®

PRESENTATION

The LR-OL is a Bluetooth®/ LoRa™ controller that centralizes the control of its garden equipment (lighting, swimming pool, fountain) from a single application. Simple and practical, it is the ideal solution to ingeniously illuminate your garden.

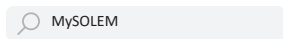The LR-OL can be controlled by bluetooth or paired with an LR-MB10 or LR-MB30 (Wi-Fi/LoRa relay) or an LR-BST.

Étape 1

DOWNLOADING

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

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

MySOLEM

3. Download MySOLEM application.

GET   INSTALL

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

CREATE AN ACCOUNT

To benefit from all **LR-OL** advantages, please create a MySOLEM account.

1. Launch **MySOLEM** app from your smartphone and/or tablet.
2. Go to **«My account»** by typing on ⚙ icon.
3. Follow the steps described on the app.

PAIRING

1. Remove the lower hatch from the **LR-OL** to reveal the terminal block.

2. Plug in the **220V/24Vac** power supply provided.

3. Start the MySOLEM app from your smartphone and/or tablet.

4. Press the **«Add a Controller»** button or the **«+»** button.

5. Choose the **LR-OL** from the list of available controllers.

6. (Optional) Set a name and security key for your controller and press the **«Validate»** button.

7. Follow the steps described on the app to complete combination of your **LR-OL**.

Note: To identify your **LR-OL** among the nearby controllers available, refer to the **«Default name»** present on its label on the back of the product.

Security key
The security key allows to protect your controller. You can define it during the step 6 of the «**ASSOCIATION**» or access to further information by clicking on the icon ✎ at the top right of your screen.

LR-MB PAIRING

To optimize the LoRa™ connection between the **LR-MB10/30** and the **LR-OL**, test the LoRa connection by following steps 6 and 7. It is advisable to combine all your **LR-OL** near the **LR-MB** before installing them separately.

1. Select the previously installed **LR-OL** controller.

2. Tap the icon ✍ at the top right of your screen to access product information.

3. Tap **«Remote Access»**.

4. Select the **LR-MB10/30** relay you want to use.

5. Validate the operation by pressing the **«Send»** button or ➤ at the bottom of your screen.

Once the combination is complete, you can test the connection between your **LR-MB10/30** and your **LR-OL**:

6. Go back to «**Remote access**» screen of **LR-OL**, previously seen.

7. Press the button 🛜 to start the test.

Note:
- The **«Established Connection»** message indicates that the connection is reliable.
- The message «No established connection» indicates that it is necessary bring your **LR-OL** closer to the **LR-MB10/30** or **inversely**.

ASSOCIATION LR-BST

1. On the app, select your **LR-BST**, and switch to pairing mode ✎

2. Select the previously installed **LR-OL** controller.

3. Tap the icon ✎ at the top right of your screen to access product information.

4. Press **«Remote Access».**

5. Select the original **LR-BST** from the list.

Once the combination is complete, you can test the connection between your **LR-BST** and your **LR-OL**

6. Go back to «**Remote access**» screen of **LR-OL**, previously seen.

7. Click on the button 🛜 to start the test.

INSTALLATION

Several types of installation are possible for your LR-OL.

Choose the example that you think is best for your situation.

The **LR-OL** product has 4 relays (250V 16A), which can connect up to 3500 W on a single line.

To avoid overheating and deterioration of the device, it is not necessary to exceed 4000 W distributed over the 4 relays.

The use of LED bulbs requires plugging in a power contactor (Schema No.3) from a power of 150W LED bulbs.

1. A single line used with switch

You can parallel a back-and-forth switch with the programmer's relay. Only constraint, when the switch back and forth will be in the on position no action will be possible with the programmer.

Switch
Blue
Red/Brown
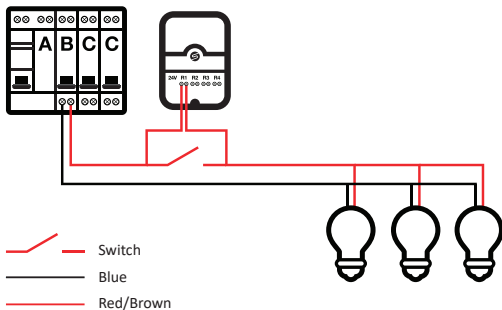
2. Simple installation without power contactor

< 400W
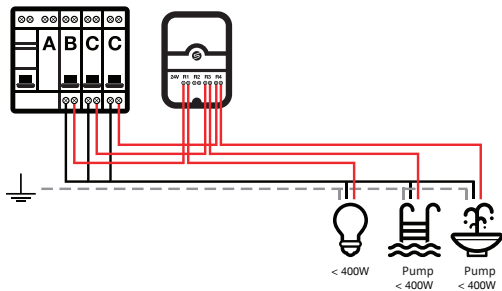
Pump
< 400W

Pump
< 400W

3. Simple installation with power contactor

When there is a greater need for power, including starting (e.g., a pool pump with a power of more than 400W), you can inteleave a power contactor or water heater delay between the controller and your device.

Make the connection by following the 3 steps described below.

Pump > 400W
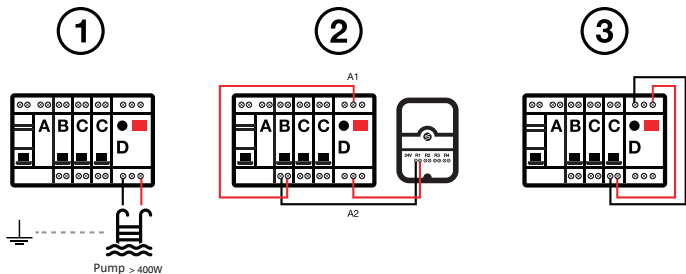
FAQ

What are the features required for the Bluetooth® product to work?
Android 4.3 and top phones and tablets equipped with Bluetooth Smart 4.0
and higher. Apple iPhone or iPad with iOS 9.0.

How can I resume the association or start-up procedure from scratch?
To resume an initialization procedure, simply unplug and reconnect the power
supply.

If my device is no longer powered, do I lose the programs?
No, they're never lost, they're saved in a memory.

How do I reset my device's programming?
Open the app, enter the product, then open the settings and select «**Delete
Programs and Durations.**»

INFORMATION ABOUT THE STATE OF LED

Green LED: Normal operation

Flashing green LED: An active line is underway (the number of flashes
corresponds to the number of the activated line).

Fixed Red LED: The product is in boot mode for 2 minutes

Flashing Red LED 2 times: The programmer has lost the time, reconnect to
re-synchronize it.

LED off: The product is not powered.

GENERAL INFORMATION

READ THE FOLLOWING SAFETY INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR USING THE LR-OL. BE SURE TO STRICTLY FOLLOW THE PRECAUTIONS OF USE.

The **LR-OL** must be installed indoors or under cover.
Install your product so that the socket outlet base is close to the material.
The socket outlet is a cutting device, if there is a problem, it must be easily accessible at all times. Make sure that the power outlet on which your power transformer is connected provides protection against over-intensities and short circuit 16A circuit breakers. Use only the power supply provided with the product:
INPUT: 230V ~ 50Hz OUTPUT: 24V ~ 0.75A

$C\mkern-2mu\epsilon$ The «CE» symbol indicates that this device complies with European standards on safety, health, the 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 devices must be disposed of separately in European countries. Don't throw this appliance away with your household garbage. Please use the collection and recycling points available in your country when you no longer need this device.

$\sim$ This symbol indicates that power voltage is an alternative voltage.

This symbol indicates that the power supply is intended to be used only indoors.

This symbol indicates that the power supply has a Class 2 type dual insulation.

130°C This symbol indicates that the power supply has a thermal protection of 130oC.

TECHNICAL FEATURES

DIMENSIONS
Width: 11 cm
Height: 14,3 cm
Depth: 4,2 cm

INSTALLATION
Indoors or under cover.
Connection: 4 relay 250VAC 16A . 3500W Max per relay.
Temperature of use: from -20C to 60C
Qualifying humidity: 90% (relative humidity).

POWER SUPPLY :
transformer : 230V ~ 50Hz / OUTPUT : 24V ~ 0.75A 50Hz

FEATURES
Bluetooth® Smart 4.0 Low Energy [2400-2483.5]Mhz
LoRa™ radio communication
Permanent backup of program
Backing up the internal clock in case of a break < 30s