

LR-IP-ECO

LoRa™ Irrigation Controller with Turbine or Solar Panel

The LR-IP-ECO is a waterproof, battery-powered Bluetooth® and LoRa™ irrigation controller capable of sequentially programming 9V solenoid valves. It is ideal for underground installations. With the integrated flow meter option, you can monitor water consumption and flow rate, and receive alerts in the event of leaks, under-flow or over-flow. The integrated flow meter and solar panel are designed to recharge the module's internal battery to extend the life of the 9V battery. Combined with a Wi-Fi or 4G gateway, it can be controlled remotely using the MySOLEM application and platform.

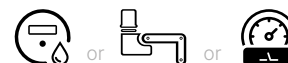
Compatibility



Stations

1/2/4/6

Sensor Input: 1



Power



Connectivity



Range

0.5* miles

Managed via



*Range up to 0.5 miles. Coverage may vary depending on installation setup.

INSTALLATION

Rain sensor or water meter with pulse sensor (max. 499Hz) or pressure switch connection
Master valve connection
9V pulse solenoid connection
Max. distance LR-IP-ECO to solenoid: 100 ft
Operating temperature: -4°F to 140°F
ø Turbine: 1 in or solar panel

OPERATION

100% waterproof (rated IP68)
9V 6AM6 or 6LR61 alkaline battery
Bluetooth® Smart 4.0 Low Energy
Communication using LoRa™ radio signal
Internal clock back-up in case of power failure < 30s
Battery charging and water meter function: >0.8 GPM

Maximum allowed flow rate: 13 GPM
Maximum flow rate before charge current regulation: 9.5 GPM

DIMENSIONS

Width: 5.5 in
Height: 3.5 in
Depth: 2.2 in

3-year
WARRANTY



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Requires a 4G or Wi-Fi gateway



Easy To Install

Quick to install, it requires no cables to be pulled or trenches to be dug. It is easy to use via the MySOLEM app and platform (iOS/Android).



Compact Solution

By combining the controller with the turbine, optimise the space in your valve boxes.



Connected to the Weather

Depending on weather forecasts and rainfall/drought rules, automatically adjust your watering times thanks to the water budget.



Built-In Flowmeter

Connect the turbine to your controller to monitor your water consumption and flow rate and receive alerts in the event of leaks, under-flow or over-flow.



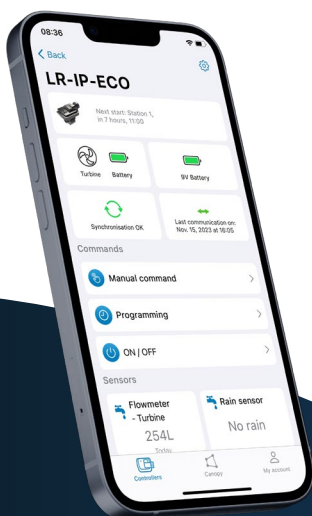
Rechargeable Battery

Use the turbine or photovoltaic panel to recharge your module's internal battery and extend the life of the 9V battery (between 2 and 3 years): save money and protect the planet!

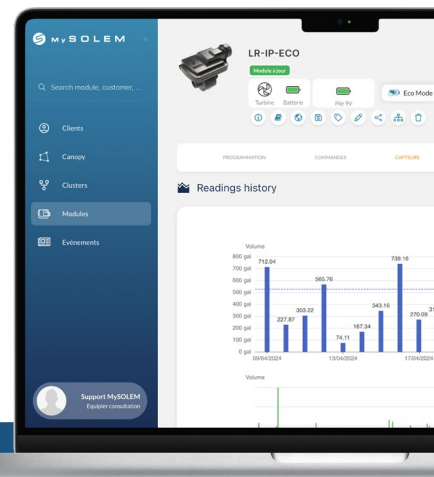


Flexible Installation

Recharge the module's internal battery using the photovoltaic panel: easily attach it outside the manhole using an extension cable.



Install. Program. Automate.



For professionals, discover additional features on our free us.MySOLEM.com platform.