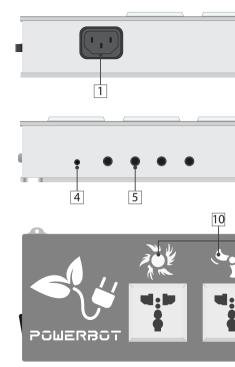
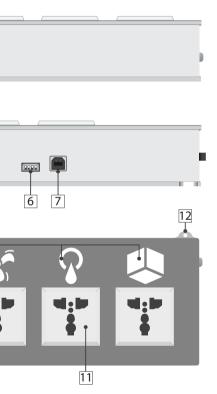
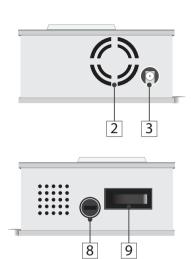


PowerBot

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- 230VAC Power outlet
 Internal fan inlet
 RF antenna threaded port
- 4 Module reset button
- Manual activation push buttons
- 6 Environmental sensor connection outlet

7 Type-B USB outlet (Firmware updates)

- 8 Fuse threaded port
- 9 General module switch
- 10 Status signal display
- 11 Universal socket outlet
- 12 Perforations for vertical mounting
- 13 RF communications antenna

- 4 B-Type USB. Only Firmware update
- 15 Temperature/Moisture sensor
- 16 230VAC 10A Power cord

INSTALLATION



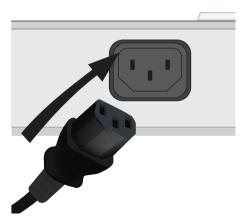
Peripherals connection

Screw the communication antenna (13) into the module port (3). For correct communication, turn the antenna in order to position it vertically according to the direction of the module.

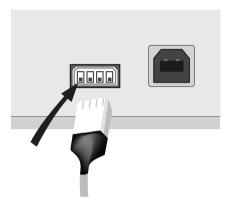


Place the module on a firm surface, far from flood-prone areas. It is recommended that the module be mounted on a wall with the fixing holes on the upper part.

Once the module has been mounted, connect the power cable (16) to the module's power outlet (1) and the other end to the 230V_{AC}. outlet.



Connect the temperature and moisture sensor (15) to the module's outlet (6).



Place the sensor at the height of the plants where you could monitor the environmental state of the cultivation area correctly.

Never position the sensor too close to a light source or to moist soil as to generate false environmental data. Connect your peripherals to the module's power outlets (11). To correctly identify the position in which your peripherals are connected to the module, it is recommended that they be connected in order, respecting the figure for each outlet.



Power outlet dedicated to the lighting devices.



Power outlet dedicated to fan or extraction systems.



Power outlet dedicated to the irrigation and water tank deposit maintenance systems.



Outlet dedicated to any other type of peripherals.

If you connect multiple devices to one outlet, remember not to surpass the power limits, which is for each outlet and in total per module:

2300W (230VAC - EU) / 1200W (120VAC - USA)

It includes four push buttons (5), which will enable activating and deactivating manually each of the outlets.



The figures (10) will light up independently, acting as controls and indicating at each moment which outlets are currently active.



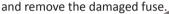
MAINTENANCE



Fuse Replacement

Remove the module's power cord (16). Never handle the fuse holder while the module is connected to the power.

Turn the cover cap of the fuse holder counter-clockwise with the help of a turnscrew





Replace the fuse with another with similar features:

10A 250VAC 125VDC 3AB (Europe) 10A 125VAC (USA)

COMUNICACIONES



Connection to GroNode

First, install GroNode and the control software successfully. Follow the procedures indicated in the GroNode user manual.

Once GroNode has been connected to the software, access GroLab through the menu.

If the module has been successfully located automatically by GroNode, it will appear on the top menu.



If you have more modules of the same type, a list of them will appear on the software's right side menu. Add up to a total of four modules of each type for each GroNode.

Problems or losses in communication

GroNode was designed to communicate with the other modules through radio frequency signals. The range of action is 25 metres indoors and 100 metres outdoors depending on space conditions.

If the control software does not find your module or frequently loses communication it is possible that you have exceeded the distance between your modules and GroNode.

Some load-bearing walls and electronic devices may interfere with the signal.

Check the configuration panel to ensure the modules are connected. A wireless signal icon will indicate if your module has a signal.





If you detect that the signal has been interrupted, with the module on, press the reset button (4) and wait a few seconds. Check the software to see if the communication has been re-established.

If the problem persists, perform a test run by placing the module next to GroNode and check the status of communication in the software. If communication has been successfully re-established, repeat this operation at different distances until you detect the maximum communication distance.

If GroNode does not detect your module even when next to each other, contact our technical support.



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support@opengrow.pt

ACTUALIZACIONES

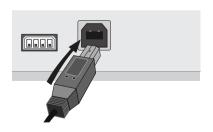


Firmware Updates

Keep in mind that some software updates will require updating your devices' Firmware.

All updates will provide crucial improvements, ensuring your system's performance.

Connect the type-B USB cable (14) to your device's USB outlet (7) and follow the procedures indicated in the firmware update manual available through direct access to Guides on your desktop.







Installation manuals available from the USB in English, Spanish, French, German, Polish and Russian.

Manuales de instalación disponibles desde el USB en inglés, español, francés, alemán, polaco y ruso.

Manuels d'installation disponibles à partir de l'USB en anglais, espagnol, français, allemand, polonais et russe.

Installationsanleitungen zur Verfügung vom USB in Englisch, Spanisch, Französisch, Deutsch, Polnisch und Russisch.

Instrukcje dostępne z USB w języku angielskim, hiszpańskim, francuskim, niemieckim, polskim i rosyjskim instalacji.

Инструкции по установке, доступные с USB на английском, испанском, французском, немецком, польском и русском языках.

Open Grow LDA guarantees the purchaser that the product is free from material and/or manufacturing defects. Open Grow LDA's liability is limited to the repair or replacement of any defective parts. Do not ship directly to Open Grow LDA without first consulting with us to verify the procedure that should be followed.

Contact our technical services at support@opengrow.pt

All Open Grow LDA products have a 2-year guarantee except for consumables (sensors and/or actuators of any type) and under normal use.

After the first 6 months the customer should prove that the breakdown is a result of a manufacturing defect.

The loss of the "GroNode" module's internal battery life as a result of its ageing is not considered a manufacturing defect. Follow the replacement procedure indicated in the user manual available on your application or request more information from the technical services.

A guarantee claim is non-transferable and only the original purchaser can submit one. To enforce the guarantee the customer must always provide the purchase invoice.

GUARANTEE DISCLAIMER:

Application of the guarantee is excluded should the breakdown of the defective part or parts be a result of the product's inadequate and/or negligent use. Understood as inadequate and/or negligent use is any use other than the one for which the product is meant and/or that is recommended in the instructions manual, not executing the maintenance operations recommended in the instructions manual, carrying out operations that are different from those mentioned and that compromise the quality of the product, modifications that are not performed by authorized repairers and/or with non-original or non-approved parts.

Open Grow LDA reserves the right to update and/or modify the content of its products at any time without prior warning. Check out our conditions at www.opengrow.pt

