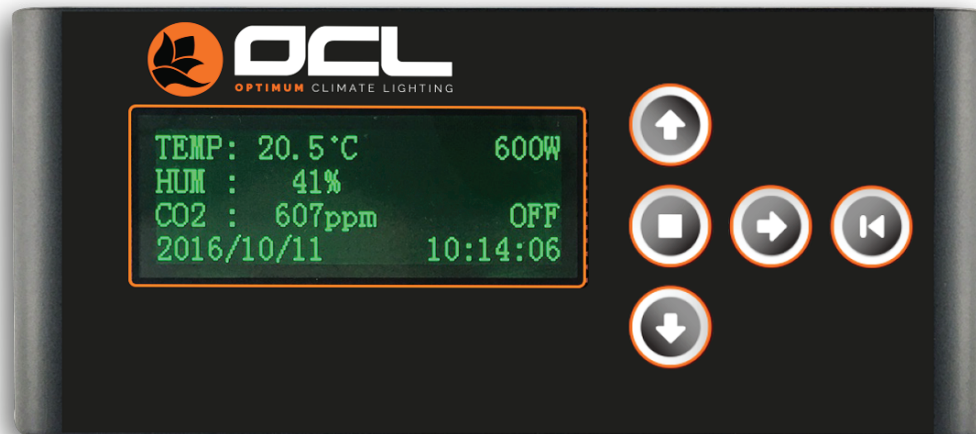




DIGITAL LIGHTING CONTROLLER DLC-1.1



The OCL X-series, with extremely powerful and higher Par output than traditional fixtures, asks for a smart controller. That is why OCL designed the world's smartest and yet easy to operate lighting controller.

All sensors (TEMP/RH/CO2) can be calibrated, it detects sensor failures and when a connection is not set-up properly it will automatically show a warning in the display.

The OCL DLC-1.1 Smart Lighting & CO2 Controller includes a built-in clock and back-up battery with a 30-year lifetime.

The DLC-1.1 simulates natural growing conditions with the "RISE/FALL" option, allowing plants to gradually warm up and cool down.

The "AUTO-SAVE TEMP" option can sense when indoor temperatures are getting too high and by responding automatically by dimming the connected lamps it will reduce or even avoid environmental stress and crop damage.

The "SHUTDOWN-TEMP" is an extra safety feature that will shut down all lighting in the room when the temperature is not reducing after the "Auto-Save Temp" has set in. Causes could be a malfunctioning in the extraction or climate control unit.

A manual resetting of the "SHUTDOWN TEMP" is then required to restart the system.

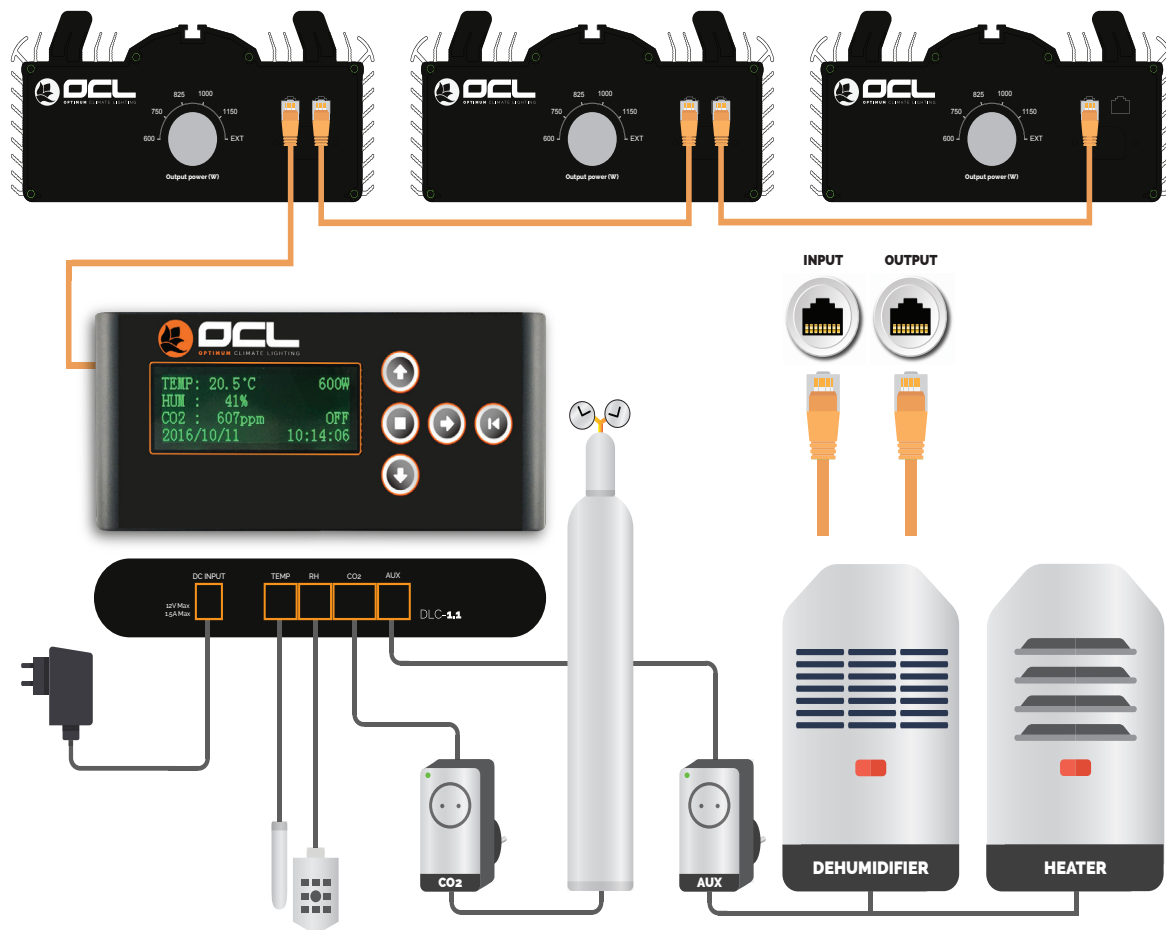
Different from other brands, with the OCL DLC-1.1 controller it is possible to combine different types of ballasts. It is therefore possible to connect, say, a OCL XXL 1000 watt fixture with a 315 watt CDM fixture on one and the same controller.

With the "CO2-SET ppm" option, the controller is not only managing the lights but also managing the CO2 levels in the room. Due to the very accurate Dual Beam CO2 sensor both CO2 generators and cool CO2 installations can be controlled.

When using a OCL DLC1.1 controller, no additional switch board is required.

With the "AUX BOX", to be ordered separately, it is possible to connect a dehumidifier, extra ventilation or heating. The "AUX BOX" is equipped with a RJ12 UTP connection and a 16A relay for 3.5kW controlled power.

NEVER BEFORE IT WAS SO SIMPLE TO CREATE THE RIGHT CLIMATE FOR YOUR PLANTS!



TIPS & TRICKS:

The temperature sensor should be protected against the radiation heat of the lamp.

A simple piece of paper board is sufficient. It is recommended to have the OCL temperature sensor close to the (if present) temperature sensor of the climate control system.

The humidity sensor (RH) measures the relative humidity and here too it is recommended to protect the sensor against radiation heat and place it in the shadow. The CO2 sensor should be facing the light because of its light cell, switching the sensor on (day-time) and off (night-time). Since plants produce CO2 during the night, there is still sufficient CO2 available in the room when the lights are switched on. In order to save gas, it is possible to put the "START TIME" on 20 minutes (after the lights switch on).

When dark, the plants do not require any CO2 so it is therefore not necessary to add extra CO2 up and till the moment the lights are switched off. To save gas, it is possible to put the "STOP TIME" on 20 minutes (before the lights switch off).

With the "AUX SELECT" option one can choose what piece of equipment will be connected. In the "NIGHT" setting equipment will be switched on when the lights are switched off. It is recommended to use this setting because it allows the connection of a heater, dehumidifier or extra ventilator. When growing with CO2, plants will evaporate more and this could require extra dehumidification of the room.

BOX CONTENTS:

- 1 - OCL DLC-1.1 Digital Lighting Controller
- 2 - AC Adapter 240V
- 3 - Temperature Sensor
- 4 - Humidity Sensor

OPTIONAL:

- 5 - CO2 Sensor
- 6 - Aux Box

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