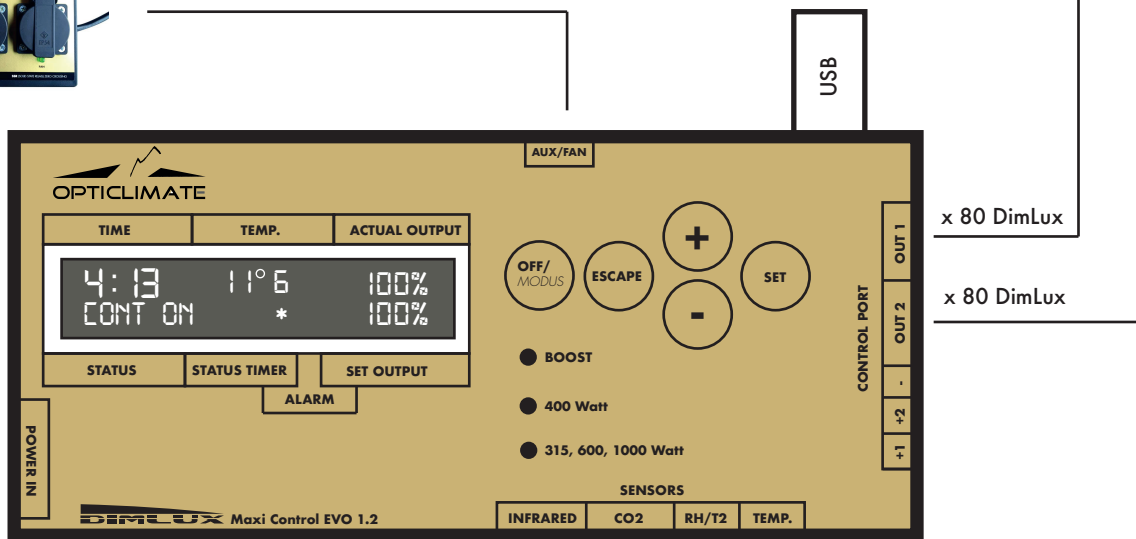
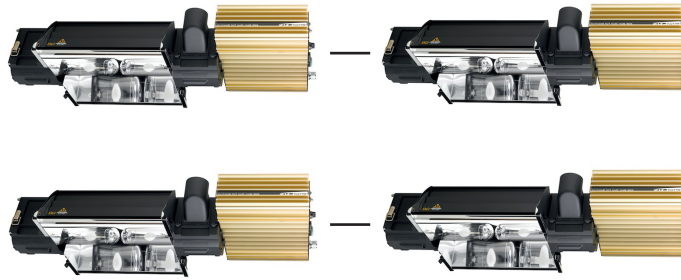


MAXICONTROLLER

FAN/AUX BOX

The Fan / Aux box has 3 outputs so that a heater, humidifier, dehumidifier and air extractors can be connected.



PLANT TEMPERATURE CAMERA



CO2 SENSOR



HUMIDITY SENSOR



TEMPERATURE SENSOR

The DimLux plant temperature camera can be connected to the system to monitor the evaporation of the plant: an excessive temperature of the leaf is indicative of problems with the evaporation capacity of the plants (for example: due to low water, poor balance between temperature and humidity, high EC, high CO2 and high light radiation).

If the temperature of the leaf rises to an excessive level, DimLux ballasts will dim or turn off until the plant temperature drops to an acceptable level.

The CO2 sensor also controls the CO2 generator and the CO2 pressure reducing valve for CO2 bottles.



Co2 Generator



Co2 pressure reducing valve

The humidity sensor (RH) of DimLux shows the humidity in the DimLux Maxi Controller. If the RH sensor is connected, a humidifier can also be connected to the DimLux Maxi Controller. An additional plant temperature sensor is required to calculate the Steam Pressure Deficit (VPD).

The Dimlux Maxi Controller can dim the lamps according to the temperature of the room. If the set value is exceeded, DimLux Maxi Controller will dim the lamps to lower the temperature. If the temperature keeps rising despite darkening, 50% of the lights will switch off. If the temperature keeps rising, all the lights will turn off during at least 20 minutes