

# OPTICLIMATE HUMIDIFIER COMMISSIONING

## ADIBIATIC HUMIDIFIER COMMISSIONING GUIDE

To achieve the best growing results in your grow rooms a stable climate is essential. Most humidifiers use heat to achieve their goal to humidify the room but this disrupts the balance of lighting, heating and humidifying. To negate this we need to use a adiabatic humidifier that mists water without adding heat. It also cools the air and humidifies instead of heating. Not only the growing results benefit but it also reduces energy expenditure.

### Placing & connecting the humidifier

The Opticlimat humidifier comes pre-assembled and ready to use. Place the humidifier in the grow room and make sure you have a water supply and power connection available closeby. For operating the humidifier on a daily basis you need a our Smartbox 4/0 and a range of sensors. They are included as standard in our bundels. Connect the supplied humidifier and humidity & temperature sensor to P1 and P2 as stated below. Optionally you can use a water leakage and/or light sensor for extra automated control.



Opticlimat Humidifier



Smartbox 4/0



P1

P2

P3

P4



Humidifier



Humidity & temperature Sensor (Smartport)



Water Leakage Sensor (optional)



Light Sensor (optional)



Humidity & temperature sensor

### Configuring a water supply

The humidifier uses a clean and fresh water supply. Connect the fresh water supply to the float. The float regulates the amount of water needed depending on the water level inside the humidifier. The built-in water pump now circulates the water in the humidifier.

### Configuring the Smartbox

Now the humidifier is placed and connected we can setup the control with the supplied Smartbox 4/0. The Smartbox can control more types of installations so we need to set it to 'humidifier mode'.

Select **UP** to enter the menu. Use **UP** and **DOWN** to navigate through the options described below. Use **ENTER** to select the menu. Continue to the value menu and again use **UP** and **DOWN** to change the value. All menu's have an **EXIT** option to return to the top layer.

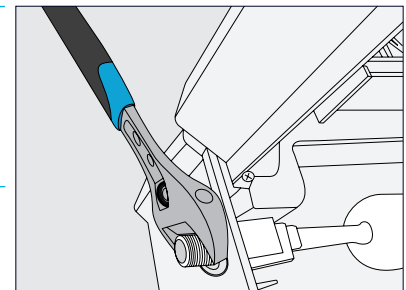
Navigate to **MODE** and change the operating mode to humidification mode. Select mode and change value to **HUMIDIFIER**

### Top menu - Status

The top menu shows the current FAN speed and the current  
 FAN - current speed of the fan in percentage  
 RH day - Relative Humidity setting for daytime  
 RH night - Relative Humidity setting for night-time

NOTE: check the Smartbox Manual on our knowledgebase for all detailed settings

<https://optclimate.com/manual-downloads/>



Water connection



Smartbox Top Menu



Technology evolves rapidly. This manual may not reflect the latest updates. Please visit our online knowledge base for the most current manuals and instructions.

<https://www.optclimate.com/nl/knowledge-base/>