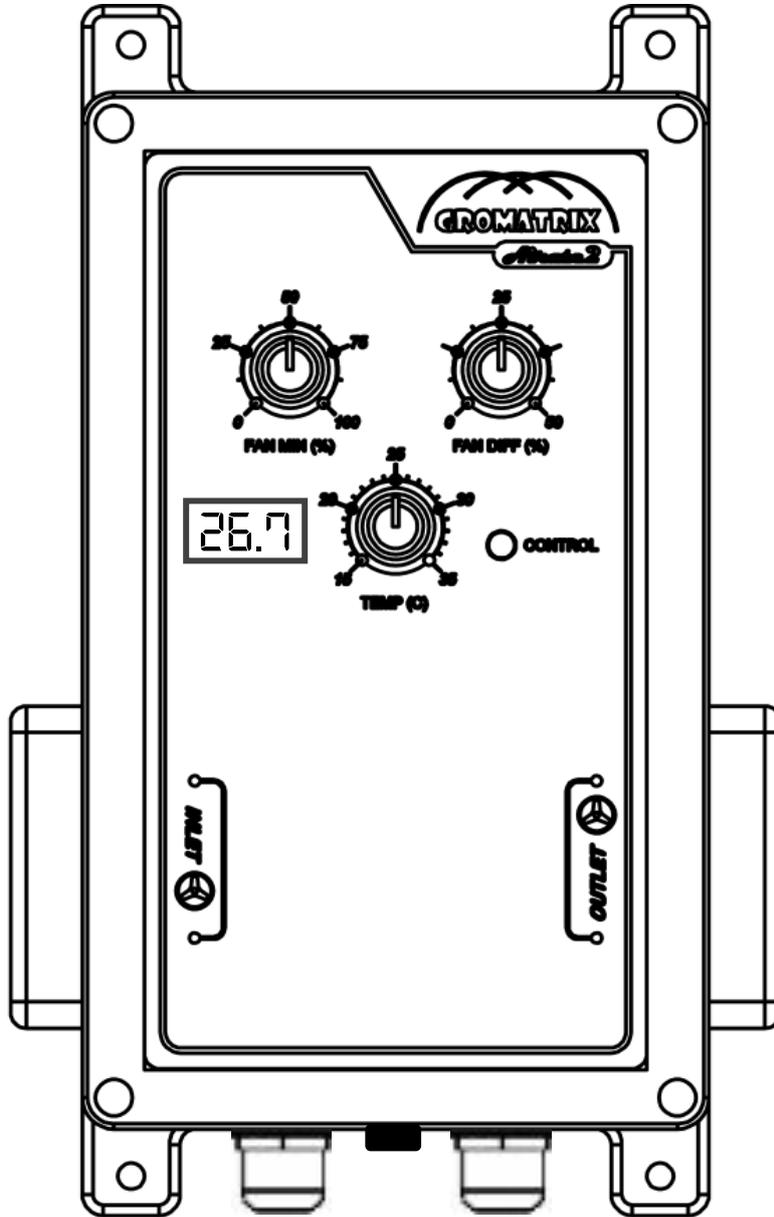


# Airate 2 Pro

## User Manual



1. Features and Ratings	2. Connection Diagram
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Auto Temperature control</li> <li>• Adjustable min fan speed</li> <li>• Negative pressure control</li> <li>• <b>Optional</b> Lights off humidity clearance</li> <li>• LED humidity and temperature display</li> <li>• LED status indicator</li> <li>• MAX Load: 2.5A per channel</li> <li>• Plug and Play - No wiring necessary.</li> <li>• Increased fan life span</li> <li>• Decreased power consumption</li> <li>• Long 5m Temperature, Humidity and Light Sensor.</li> <li>• 2 British standard socket outlets</li> <li>• 4 Mounting holes (fixings supplied)</li> <li>• (Optional Communication Port Gromatrix Data Logging cable required)</li> </ul> <p><b>Mains Rating</b></p> <ul style="list-style-type: none"> <li>• 230-250V AC 50hz</li> <li>• External fuse rating 13A</li> </ul>	
<p><b>3.</b> The unit should be mounted on a stable, non-vibratory location which can provide full support to the unit using the supplied fixings</p>	
<p><b>4.</b> Plug your Inlet fan into the 3 pin socket on the unit labelled INLET. (see above picture)</p>	
<p><b>5.</b> Plug your Exhaust fan into the 3 pin socket on the unit labelled OUTLET. (see above picture)</p>	
<p><b>6.</b> Plug the 3 pin mains cable from the unit into a socket outlet and switch ON. (see above picture)</p>	
<p><b>7.</b> Position the 5m Sensor in the middle of you grow room or grow tent. (We recommend positioning in the middle of your plants to get best readings.)</p>	
<p><b>8.</b> Turn the temperature Knob to 35°C fully clockwise.</p>	
<p><b>9.</b> Turn the Fan Min knob clockwise until your required minimum fan speed is set.</p>	
<p><b>10.</b> Turn the Fan Diff knob clockwise until your required Negative pressure is set.</p>	
<p><b>11.</b> Turn the Temp knob anti clockwise to set your required room temperature.</p>	
<p><b>12.</b> The unit is now setup, the controller will now maintain your chosen negative pressure and temperature.</p>	
<p><b>13.</b> The LED display shows the temperature and humidity of your grow area. The LED display can also be used when setting up the controller when you turn a control knob you will see the current setting is displayed this increase and decrease when the control knob is turned this allows you to set the unit up more accurately.</p>	
<p><b>14.</b> The unit also has a LED indicator</p> <ul style="list-style-type: none"> <li>• If the LED is illuminated Green it means the controller is within 1°C of your set point.</li> <li>• If the LED is illuminated Red the controller has been +/- 1°C outside your set point for more than 10 minutes. (See notes Below)</li> </ul>	
<p><b>15.</b> For instructions on using the data logger please visit our website for the latest software and instructions. The data logger software features logging Temperature, Humidity, Lights On/OFF, Temperature set point, and Fan Speed, View data on a graph, save to CSV or PNG, and enable and disable humidity clearance. Supports multiple units.</p>	

## Notes:

- If you find your controllers LED is illuminated Red most of the time you may need to increase your fan and ducting size or consider additional cooling.