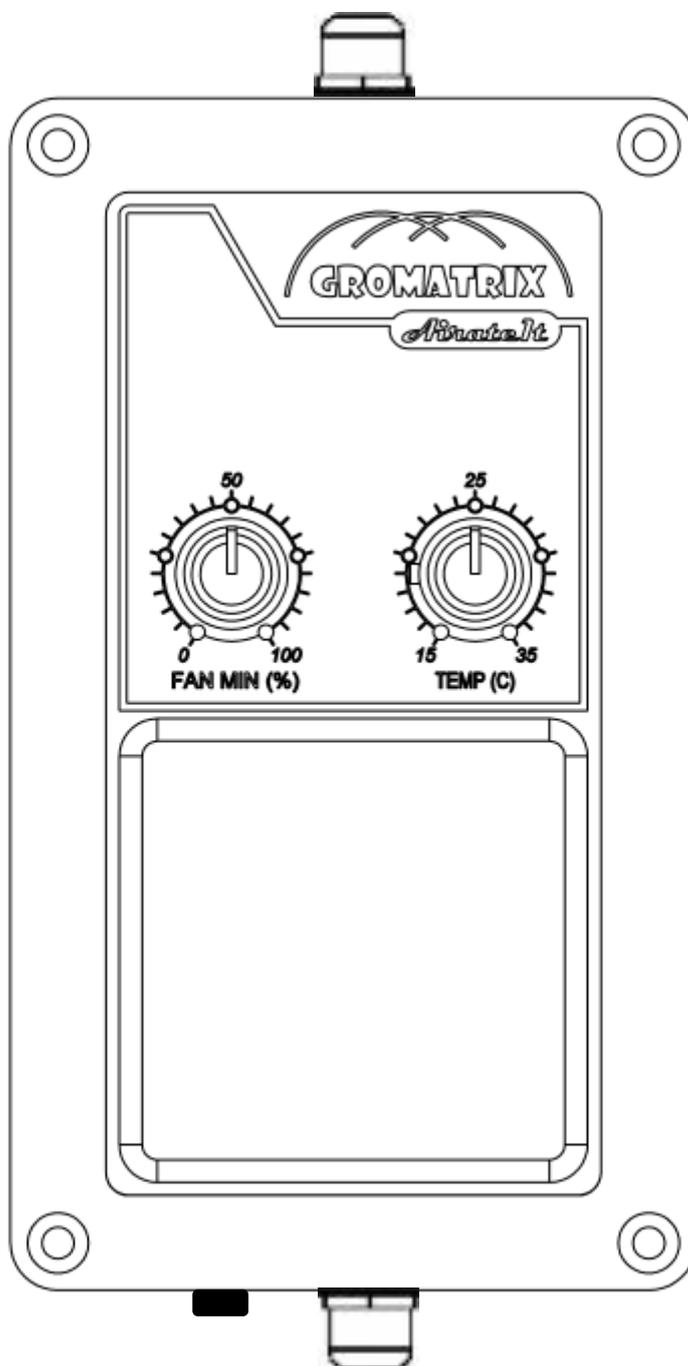
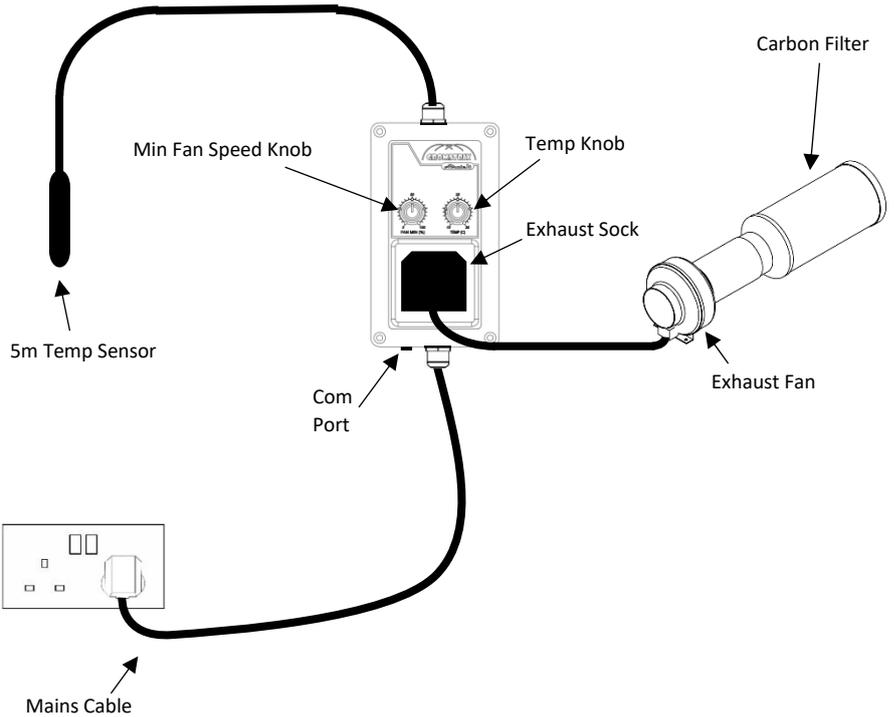
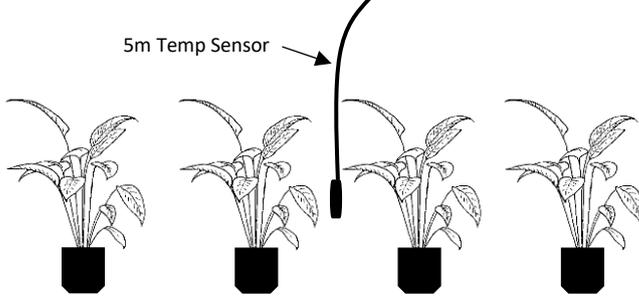


# Airate 1T

## 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>• Lights off humidity clearance</li> <li>• LED status indicator</li> <li>• MAX Load: 2.5A</li> <li>• Plug and Play - No wiring necessary.</li> <li>• Increased fan life span</li> <li>• Decreased power consumption</li> <li>• Long 5m Temperature Sensor</li> <li>• 1 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>The diagram illustrates the connection of the Airate 1T controller. A 5m Temperature Sensor is connected to the top of the unit. A Mains Cable is plugged into the bottom of the unit. An Exhaust Fan is connected to the front of the unit via an Exhaust Sock. A Carbon Filter is attached to the Exhaust Fan. The unit features a Min Fan Speed Knob and a Temp Knob. A Com Port is also shown on the side of the unit.</p>
<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 Exhaust fan into the 3 pin socket on the front of the controller. (see above picture)</p>	
<p><b>5.</b> Plug the 3 pin mains cable from the unit into a socket outlet and switch ON. (see above picture)</p>	
<p><b>6.</b> Position the 5m Temperature 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>The diagram shows four potted plants in a row. A 5m Temperature Sensor is positioned in the middle of the plants, with its probe pointing downwards towards the foliage.</p>	
<p><b>7.</b> Turn the temperature Knob to 35°C fully clockwise.</p>	
<p><b>8.</b> Turn the Fan Min knob clockwise until your required minimum fan speed is set.</p>	
<p><b>9.</b> Turn the Temp knob anti clockwise to set your required room temperature.</p>	
<p><b>10.</b> The unit is now setup, the controller will now maintain your chosen temperature.</p>	
<p><b>11.</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>	

## 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.