EC SENSORS

COMBINED HUMIDITY AND TEMPERATURE SENSOR

DESCRIPTION
Can provide accurate measurement of both relative humidity and temperature in air conditioned and refrigerated conditions. The sensing element contains a special protective coating for use in polluted environments.

Features
- Relative humidity measurement range: 0-100%.
- The temperature measurement is made by the change in resistance on the built-in PTC (Positive Temperature Coefficient) element (KTY81-210).
- High grade sintered stainless steel element acts as a filter against contaminants.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Permissible Temperature range</th>
<th>Protection class</th>
<th>Sensor Head, mm</th>
<th>Sensor Post, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV-HT-MFTG-100V</td>
<td>-40°C to +60°C</td>
<td>IP65</td>
<td>80W x 80H x 37D</td>
<td>Ø12 x 82</td>
</tr>
</tbody>
</table>

WIRING DIAGRAM

COMBINED CO₂, HUMIDITY AND TEMPERATURE SENSOR

DESCRIPTION
A combined sensor designed to measure CO₂ concentration, relative humidity and temperature. Typical applications include occupied spaces such as office buildings, conference rooms and education centres. Measurements can be taken either separately or combined.

Features
- Values are shown alternatively on an integrated display.
- Measurement range:
  - CO₂: 0-2000 ppm
  - Humidity: 0-100%
  - Temperature: 0°C to +50 °C
- 24V AC ±20 %

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Protection class</th>
<th>Sensor Head, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV-CB-MCFTG-3AV</td>
<td>IP20</td>
<td>80W x 100H x 26D</td>
</tr>
</tbody>
</table>

WIRING DIAGRAM