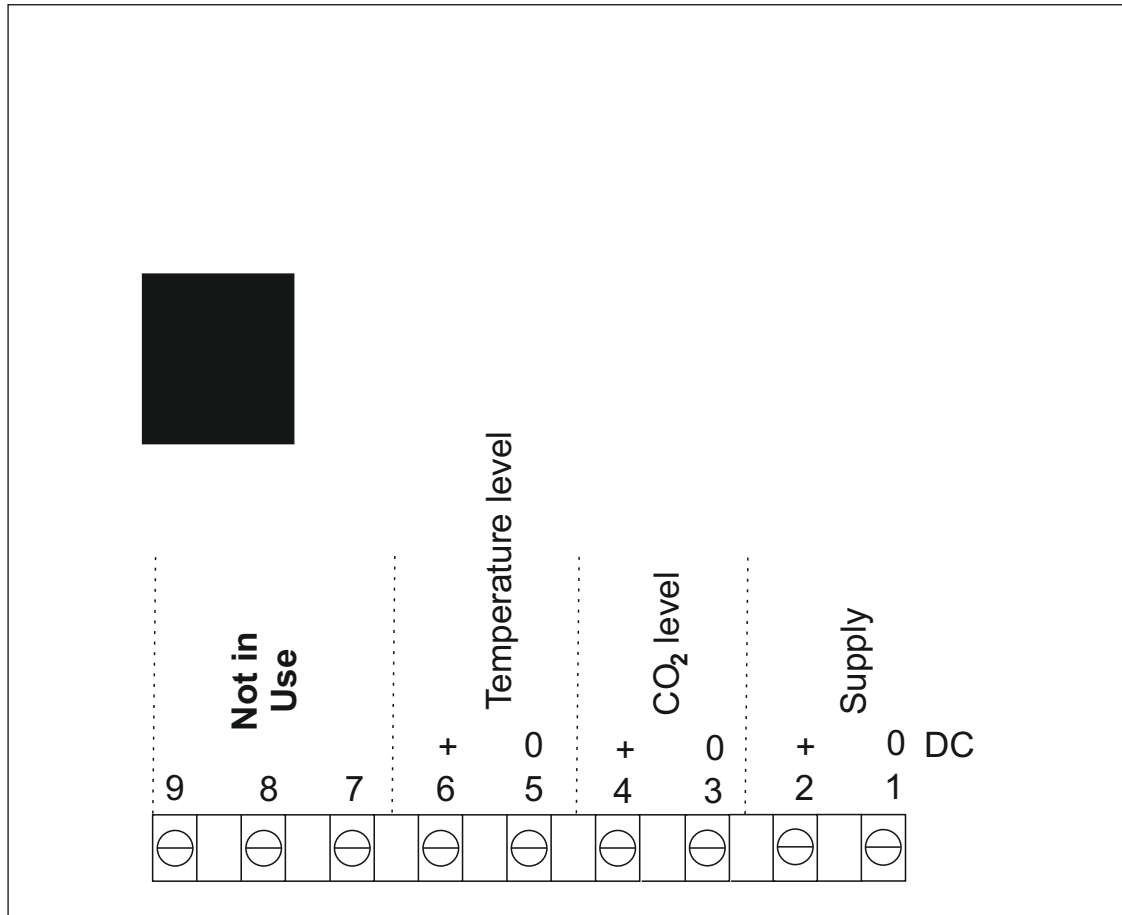


CO2+Temp Sensor 12V Basic 2x0-10V



Technical data:

Supply: 12V DC
Power Consumption: 1,6VA
Operating Temperature: 0-50°C
Precision temperature: ±5°C
Operating CO₂: 0-2000 ppm
Precision CO₂: ±50ppm at 500ppm
Enclosure: IP 32
Dimensions: 85x85x38mm

Description:

Sensor measures CO₂ and temperature in a room and transmit a 0-10V signal for respectively CO₂ and temperature to a controller.

Output from the sensor is calculated accordingly:

CO₂: The voltage varies linearly with the CO level between 0 and 10V corresponding to 0 and 2000ppm. Meaning that 1000ppm gives a voltage output of 5V

Temperature: °C/5 = Volt. Meaning that a temperature of 25°C gives a voltage output of 5V

The CO₂ sensor uses the widely used ABC algorithm, which ensures long life without calibration. Only the room cannot be used constantly, but must regularly get sufficient airflow to lower the CO₂ to fresh air level.

Adjustment:

No possibility of adjustment.

Mounting:

For wall mounting on stable non vibrating surface. Avoid direct sunlight and mounting so product is exposed to draught and indirect heat (eg. from Television) as it might affect the measurements

Drawing: 950-206941_CO2+TempSensor12VBasic2x0-10V_ES899_UK
Version / Rev.: 2.1
Date: 11/01-2022
Drawn by: DF
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