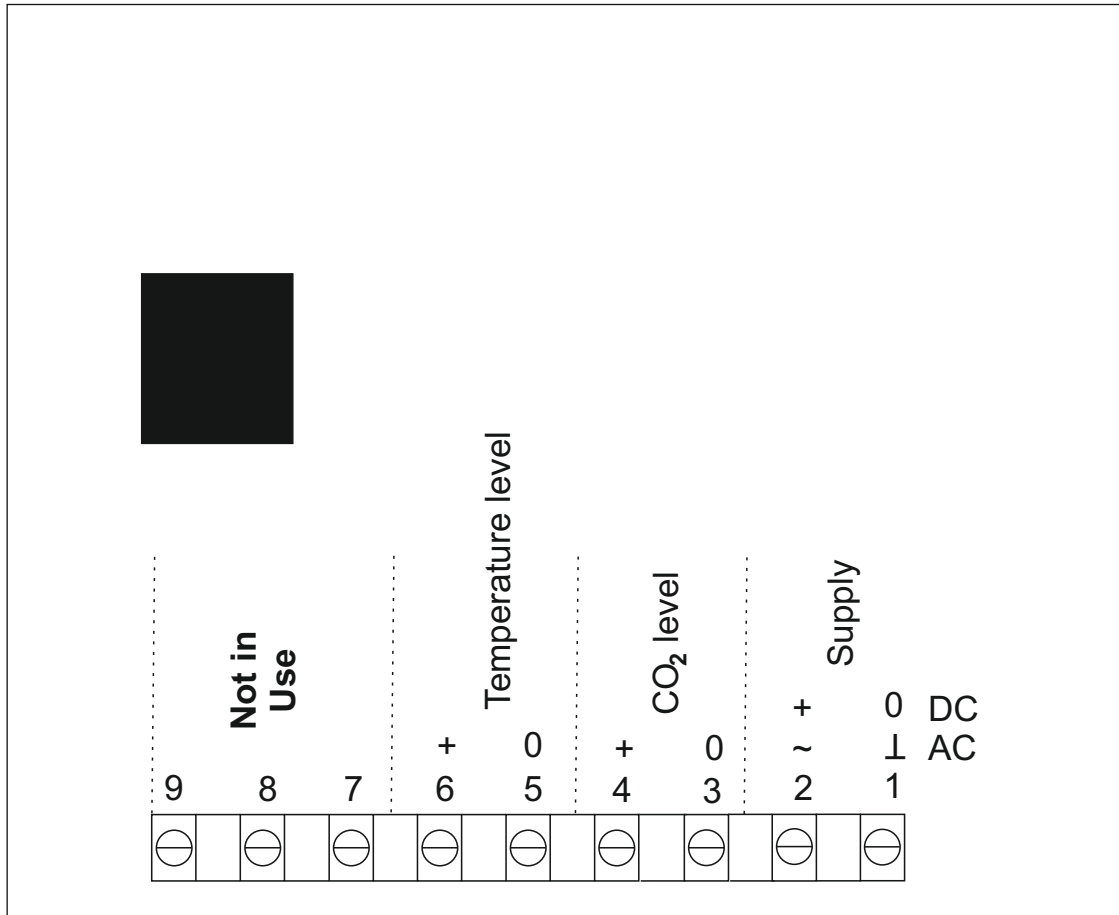


CO2+Temp Sensor 24V Basic 2x0-10V



Technical data:

Supply: 24V AC/DC $\pm 10\%$
 Power Consumption: 24V AC: 6,4VA / 24V DC: 3VA
 Operating Temperature: 0-50°C
 Precision temperature: $\pm 5^\circ\text{C}$
 Operating CO₂: 0-2000 ppm
 Precision CO₂: $\pm 50\text{ppm}$ 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: 950-206913_CO2+TempSensor24VBasic2x0-10V_ES899_UK
 Version / Rev.: 2.1
 Date: 10/1-22
 Drawn by: DF
 Manufactured by: **LS Control A/S**
 Industrivej 12, DK-4160 Herlufmagle, Denmark



lsc@lscontrol.dk tel. +45 5550 5550 fax +45 5550 2265