

CARBON DIOXIDE TRANSMITTER



ABOUT SCC664

SCC664 is a maintenance-free carbon dioxide transmitter for installation in a climate-controlled zone.

SCC664 measures the carbon dioxide concentration in the ambient air up to 2000 ppm and converts the data into an analog output. 5000 ppm and 10000 ppm ranges are also available.

SCC664 helps you save money by decreasing your energy consumption while creating a healthier indoor climate.

FEATURES

Radix's Infrared (NDIR), Dual channel detection technology offers reliable measurements of CO₂ concentration in air.

- NDIR CO₂ sensor with dual channel detection technology for superior stability
- Accuracy ± 30 ppm ± 3 % of reading
- Ambient Pressure compensation
- Altitude compensation
- Automatic self calibration option
- Range: 0 - 2000 / 0 - 5000 / 0 - 10000 ppm
- Analog output voltage or current, selection via DIP switch
- LCD display available
- Accurate CO₂ measurement in occupied and non occupied buildings

APPLICATIONS

SCC664 is a cost-optimized CO₂ sensor solution for climate control of buildings and other processes.

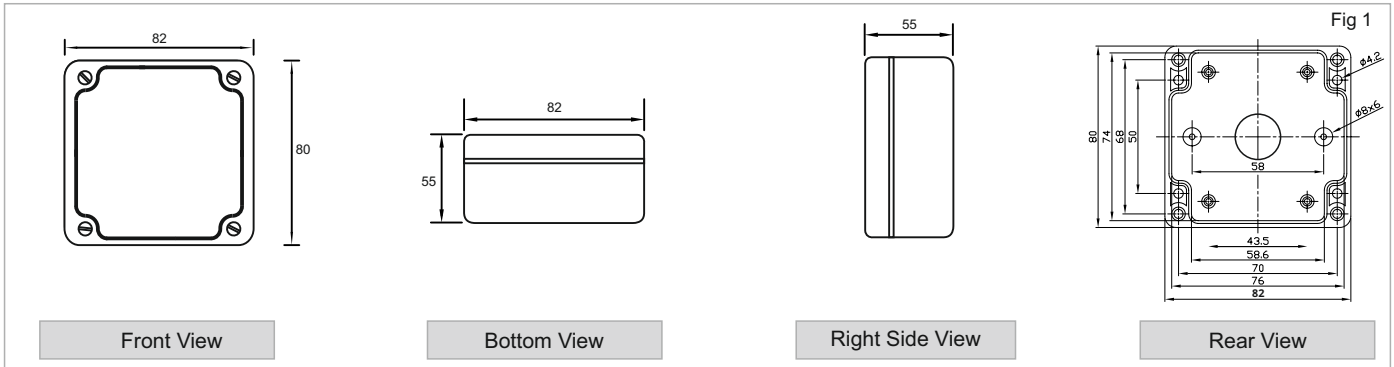
By controlling the ventilation based on actual demand, it helps you decrease your energy consumption and yet have a healthy indoor climate.

SCC664 automatically corrects measurement in both occupied and unoccupied buildings against light source aging effects.

SCC664 can be used in a variety of applications. This includes greenhouses, residential and commercial buildings, hospitals, data centers & schools.

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DIMENSIONS mm



SPECIFICATIONS

All specifications at ambient of 25 °C unless specified otherwise

<p>GENERAL PERFORMANCE</p> <p>Operating temperature range 0 - 50 °C Storage temperature range -20 to +70 °C Operating humidity range 0 to 95% RH (non-condensing) Operating environment Residential, commercial and industrial spaces</p> <p>Warm-up time ≤ 1 min. (@ full specs ≤ 15 minutes)</p> <p>Sensor life expectancy > 15 years Maintenance interval No maintenance required Self diagnostics Complete function-check</p>	<p>OUTPUTS</p> <p>Analog Output</p> <p>Output type 0 - 20 mA, 4 - 20 mA, 0 - 5 V, 0 - 10 V</p> <p>Output load > 10K for voltage output < 560E for current output</p>
<p>ELECTRICAL</p> <p>Power input 18 to 31VAC/VDC Power consumption < 1 Watt average</p>	<p>ENCLOSURE</p> <p>Mounting Wall Dimension 82(H) x 80(W) x 55(D) mm</p>
<p>CO₂ MEASUREMENT</p> <p>Sensing method Infrared (NDIR) Dual channel detection technology</p> <p>Response Time < 10 sec. @ 30 cc/min. flow rate, < 3 min. diffusion time</p> <p>Repeatability ± 20 ppm ± 1 % of reading Accuracy ± 30 ppm ± 3 % of reading Annual Zero Drift < ± 10 ppm Pressure Dependence + 1.6 % reading per kPa Measurement range 0 - 3 000 ppm</p>	

ORDERING INFORMATION

Product code	2809
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CAT#668R0/T

ENQUIRIES

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