



ECONOMY CARBON DIOXIDE SENSOR

LEADERS IN GAS DETECTION

Since 1977

T99-CO2W



Features:

- 4-20 mA (3 wire) or 0-10 VDC output, selectable via jumper
- 24V AC / DC power supply
- Measures 0 - 2000 ppm
- Up to 15 years life time
- Non-dispersive Infrared Detector (NDIR)

Applications:

- Office premises
- Airports
- Hotels
- Conference rooms
- Hospitals
- Schools

Ventilation control by CO₂ is a viable and energy efficient way of controlling ventilation to target cfm / person levels based on actual occupancy. Its measurable rather than traditional approach of providing fixed ventilation is based on maximum occupancy. Designed for HVAC, ventilation systems, offices and other public places, this wall mounted transmitter uses NDIR technology and features a patented self-calibration system to guarantee the long term stability and up to 15 year life span.

Specifications:

Gas Detected:	Carbon Dioxide (CO ₂)
Sensing Element:	Non-Dispersive Infrared Detector (NDIR)
Accuracy @ 25°C, 2000ppm:	± 40ppm + 3% reading
Stability:	< 2% of FS over life of sensor (15 year typical)
Calibration Interval:	ABC Logic Self Calibration System
Response time:	< 2 minutes for 90% step change
Warm up time:	2 hours (first time), 2 minutes (operation)
CO₂ measuring range:	0 - 2000 ppm
Sensor life:	Up to 15 years
Power Supply:	24V AC / 24V DC
Consumption:	1.5 W max; 0.8 W avg
Analog outputs:	0 - 10V AC or 4 - 20mA selectable by jumpers
Relay output:	1 x 3A switch load Four set points selectable by jumpers
Operating conditions:	0-50°C; 0-95% RH, non condensing
Weight:	180g
Dimensions:	100mm x 80mm x 28mm
Approval:	CE-Approval

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