

CARBON DIOXIDE CO2:- ROOM SENSOR with DISPLAY

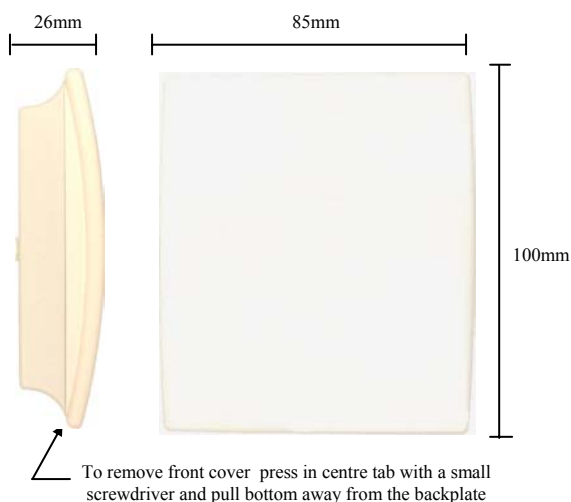


Installation

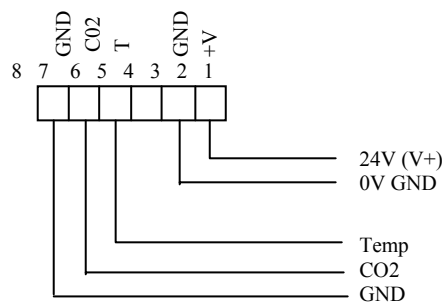
The sensor should be positioned in a location to measure unrestricted air flow in the space and it must not be influenced by direct heat sources such as above radiators, under ventilation grills or direct sun light. The sensor must be mounted with the element pointing upwards.

Remove the clip on cover by pressing the small tab at the bottom (middle of the sensor)

Mount the back plate in a suitable location with the terminal block at the bottom. Pull the wiring through the cable entry in the back plate and connect as diagram. Place the cover back on taking care not to bend the plug-in pins. The sensor cover hinges (ON) the backplate at the top.



CONNECTIONS



DESCRIPTION

The EE80 series combines CO2 and temperature measurement in a single room wall mount enclosure. The CO2 measurement is based on the infrared principle and the sensor combines an auto-calibration process which compensates for aging and ensures long term stability and reliability. The sensors are designed to measure and display CO2 levels up to 2000 ppm and temperature for a range of 0-50°C with 0-10V signal outputs.

FEATURES

- * 24V AC/DC Supply
- * Dual Source Infra Red Technology
- * Combine CO2 and Temperature Outputs (0-10V)
- * 0-2000 ppm CO2 range
- * 0-50°C range
- * Long term stability
- * Optional LCD display

SPECIFICATION

Material :-	Body	Flame retardant polycarbonate
	Sensor	Dual Source Infra Red
Output		2 x 0-10V <1mA
Range CO2		0-2000ppm
Accuracy @20°C		± 50ppm + 2% of measured value.
Temperature Dependence		Typical 2ppm/°C
Response Time		<90 secs
Warm up time		Typical 5 mins
Accuracy @ 25°C		± 40ppm + 3% of measured value
Range Temperature		0-50°C for 0-10V output
Accuracy @ 20°C		± 0.3°C
Power Supply		24V AC± 10% or 15 to 30V DC
Power Consumption		Average 130mA (max 0.5A for 0.3 secs.)
Operating Temperature		-5 to +55°C
Operating Humidity		0 to 85% non condensing
Mounting		Wall surface
Order Code		TPRS/EE80-2CT3/D



Measurement Devices for Control Systems

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