

## C<sup>2</sup> HVAC

Field devices

## CO<sub>2</sub> Sensor

### Product Description

The CO<sub>2</sub> sensor is designed for the detection of carbon dioxide (CO<sub>2</sub>) in occupied spaces. It is connected to a BMS type controller to monitor CO<sub>2</sub> levels within a Zone.

To enable CO<sub>2</sub> measurement the latest Non Dispersive InfraRed (NDIR) technology with automatic self-calibration is used. Whatever the concentration of CO<sub>2</sub> within the room is, this is an evident indicator of air quality. A 0/10v temperature output is also available.



### Construction Details

All wiring and sizing must be in accordance with BS7671 IEE wiring regulations. Sensors should be earthed at the controller end only.

Suitable cable is twin twisted pairs, with outer screen and plastic sheath.

Maximum csa of the cable cores should not exceed 1.5mm, the maximum connector size.

The sensor should be positioned and located above 1.5m FFL.

### Performance Data

Measuring range: 0 - 2000ppm.

Power supply: 15-24DC/24VAC. (Must be a stable voltage, otherwise self calibration will take place).

Outputs 2 x 0/10v -- one temperature, one CO<sub>2</sub>

### Options

LCD display showing CO<sub>2</sub> (ppm) and temperature available at extra cost.

CO<sub>2</sub> indicator LED display ( green/amber/red) see separate data sheet

### Sizes

84.5mm<sup>2</sup>

25mm depth.

Wall mountable unit fits onto standard single switch electrical box.

