

T8031 CO₂ Duct Mount Sensor

The T8031 is a small package Carbon Dioxide (CO₂) sensor designed for OEM installation in HVAC return air ducts. The size of the board and the dimensions of the case are optimized to place the sensor in small (i.e. 6 inch diameter) return air ducts, with simple fixing requirements.



Features

- One of the smallest in-duct CO₂ transmitters on the market
- Simple installation (mounting hardware and instructions included)
- Ideally suited for OEM manufacturers that must accommodate smaller < 6 in (15.2 cm) HVAC return air ducts
- Standard 0-10 volt output
- Patented absorption infrared/gas sensing engine provides high accuracy in a compact, low-cost package
- Patented ABC Logic™ self-calibration system eliminates the need for manual calibration in most applications
- Gas permeable, water-resistant diffusion filter prevents particulate and water contamination of the sensor
- Lifetime calibration guarantee

Application

The principal use of the product is as a factory fit product to enhance the operation of discrete HVAC systems with demand ventilation control i.e. reducing the outside air volume to maintain acceptable indoor air quality. This can lead to consequential energy savings by reducing plate heat exchanger face speeds, lowering system pressure drops, reducing fan power, or conditioning outdoor air.

The sensor is designed with a simple analog output, easily input into most control systems.

www.telaire.com

www.amphenol-sensors.com

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