EnergyCenter BY AUTANI

Description

The Autani wireless CO_2 Sensor is designed to measure and report levels of carbon dioxide. During normal operation, the sensor is powered from ambient room light; in prolonged low light environments the security of battery back-up ensures continued operation for over 10* years of maintenance free.

The sensor supports the open EnOcean standard (ISO/IEC 14543-3-10), facilitating seamless connection with building management systems.

The CO_2 sensor provides an ideal solution for applications such as demand/occupancy driven ventilation, CO_2 monitoring in educational environments, HVAC control, and retrofit projects.

*Minimum typical life expectancy

Applications

Autani CO_2 Sensors are suitable for renovation, upgrade, and new construction projects.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores

Features

- Energy harvesting – powered by ambient light from the surrounding environment
- Maintenance-free – for cost efficiency
- No wiring required – low cost of installation
- Fast installation time – minimal disruption for retrofits
- Optimal positioning – no wiring constraints
- Easily wall mounted, with no cabling required
- Powered by ambient light from the surrounding environment
- Battery back-up for robust operation in periodically dark areas
- Transmits data wirelessly
- Autani's *EnergyCenter* products can operate independently or as an integrated solution

autani building controls

Specifications

MEASUREMENT RANGE
- CO2: 0 to 2550 PPM

ACCURACY
- CO2: +/- 30 PPM

SAMPLING RATE
- Preset to 3 minutes or dynamically adjusts between 3 and 10 minutes dependent on light conditions

PHYSICAL
- Enclosure Material: ABS
- Solar: Amorphous silicon solar cells
- Dimensions: 115 x 80 x 35mm (approx.)

CALIBRATION
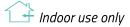- Manual or auto recalibrates every 8 days

ENVIRONMENTAL
- Operating Temperature: –5° to 40°C
- Storage Temperature: –20° to 55°C

ADDITIONAL SPECIFICATIONS
- Repeater: No
- Telegram: 4BS
- Environment: Indoor
- Battery Back Up: 3.6v A size non rechargeable Lithium (typical life expectancy of 10 years)
- Sensor response time: Telegram transmission is within 2 seconds of measurement

Indoor use only

Ordering Information

SKU	Description
TBD	CO_2 Sensor, wireless and solar-powered