Drive Reliable Energy Savings in Commercial ***Buildings with Aircuity CO_2+™***

NEW!

DID YOU KNOW HVAC COSTS IN COMMERCIAL BUILDINGS REPRESENT 1/3 OF THE TOTAL ENERGY USE? Aircuity CO_2+ is an exciting new addition to the market place as it delivers reliable CO_2 demand control ventilation (DCV) to reduce energy use, enhance the indoor environmental quality (IEQ) for occupants and provide insightful data on building ventilation performance.

Aircuity CO_2+ offers:

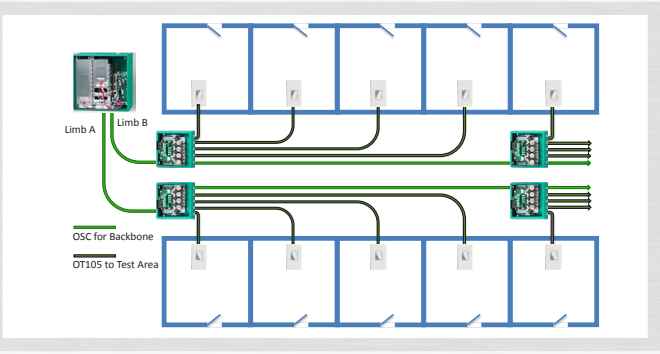
- Accurate CO_2 measurement for the life of the building
- Maintained energy savings
- Comprehensive reporting on IEQ conditions
- Zero maintenance requirements for building staff
- All system maintenance performed in utility area of building
- Single point of digital integration for any size building

The majority of building ventilation systems run at constant levels, regardless of the actual occupancy at any given time. Vacant conference rooms, offices or classrooms are typically overventilated, but when these spaces are fully occupied they quickly become underventilated, leading to uncomfortable, unhappy occupants and lower productivity. Adjusting ventilation rates to match these changing conditions allows for energy savings and a better IEQ.

Aircuity is the most reliable method of DCV, specifically designed to overcome the deficiencies of discrete sensing systems. Discrete sensors become inaccurate over time, typically reporting CO_2 levels higher than actual conditions, which will cause the building to become overventilated again, eliminating energy savings. Trying to calibrate and replace a large number of discrete sensors on a regular basis is difficult and results in higher life cycle costs. Aircuity's remote sampling, centralized sensing architecture significantly reduces the number of sensors and utilizes a unique differential measurement approach to ensure accurate and reliable measurements of IEQ parameters for superior DCV. Aircuity takes air samples from variable occupancy spaces throughout a building and routes these back to a centralized sensing suite (SST). With just a few sensors centrally located, Aircuity is able to provide a maintenance program that assures proper system functionality by replacing sensors every six months with factory calibrated sensors.

In addition to offering reliable DCV, the newly designed system architecture allows for a cost-effective approach. The new SST550 utilizes Alternating Limb™ functionality, which significantly increases the number of areas sampled, when systems are configured in a "balanced" manner as shown below.

Alternating Limb™ System Architecture: CO_2 Application



When considering life cycle costs such as annual calibration, sensor replacement and estimated 5 year operating and maintenance costs, Aircuity's CO2 DCV solution costs significantly less (see table). This new product makes it possible for customers to have it all—and makes Aircuity CO_2+ the right choice for nearly any CO_2 monitoring project.

How much less is Aircuity compared to discrete sensing?

O&M Requirement	Cost Comparison Aircuity vs. Discrete Sensing
Annual Calibration & Maintenance	270% less
Sensor Replacement (every 5 years)	There is **NO** sensor replacement with the Aircuity system, cost = $0
Total 5 Year O&M Cost	402% less

For more information on implementing Aircuity's solution in your building please contact your local Aircuity representative http://www.aircuity.com/about-us/sales-channel/

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