



Committed to Improving Your Indoor Air Quality

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ASHRAE 2006:

With the holidays fast upon us, the Chicago Ashrae Show 2006 will be here before we know it. EIP is hosting another breakfast seminar which will qualify for up to 3 PDH credits. Details on event, agenda and guest speakers are to come.

Please call or e-mail Christine Greco if you're interested in attending, she will forward an invitation and reserve a seat for you.

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EIP is proud to announce...

We are now the HVAC rep for MSA Gas Detection

MSA is the global leader in the development, manufacture and supply of sophisticated products that protect people's health and safety. MSA's comprehensive line of products is used by workers around the world in fire service, homeland security, construction, oil and gas, chemical and other industries as well as the military. MSA develops, manufactures and markets the widest selection of protective equipment available anywhere.

Why MSA?

- Over 90 years of experience
- Best in class refrigerant leak monitors
- Flexible Garage CO and NO₂ ventilation systems
- Best support for Battery Room and MRI applications
- Unparalleled technology & Service
- E.I.P. will provide support with specs, design, installation & service

Is Your Building Green?

Q: Why not set yourself apart from the competition and start designing environmentally compliant buildings now?



Fact: "Green buildings" and "LEED® Requirements" have been the buzz among the engineering industry. Chicago is one of many cities adopting the practice of promoting the design of environmentally sound buildings through LEED® certification and/or incentives. It is to your benefit to specify products that meet such guidelines for the simple fact(s) that poor indoor air quality results in increased

liability, mold growth, bacteria growth and reduced building life in addition to a host of other "sick building" problems. The most shocking statistic is that a flawed mechanical system is the biggest contributor to a building's poor indoor air quality.

The city of Chicago may soon require all publicly held buildings over 5,000 ft² to meet a specific level of the U.S. Green Building Council's LEED® certification program.

Credit EQc1 of the LEED® rating system has been changed. It now ensures that ventilation rates are maintained under variable conditions. Now titled "Outdoor Air Delivery Monitoring" **the revised credit requires direct measurement of outdoor air in most situations.** Implementing proper airflow measurement and control may aid in acquisition of 18 credits and 4 prerequisites.

E.I.P.'s mission has always been to promote and support first in class products. By implementing Ebtron into your control strategies you can contribute towards the attainment of LEED® prerequisites and credits. Contact us for more info on how you can earn rating points, improve IAQ and reduce energy consumption by using Ebtron, MSA & Tamco.



EBTRON manufactures a complete line of airflow measurement devices to meet your application requirements.

Installation flexibility assures performance where other technologies fail.

-P Duct & Plenum Probes

Install airflow measurement devices in ducts or plenums when your application demands the best installed accuracy. Your best choice for the direct measurement of outside airflow rates and volumetric tracking applications requiring supply, return and/or exhaust measurement.

-F Fan Inlet Sensors

Select fan inlet sensors when you are unable to locate -P duct and plenum probes. **EBTRON** fan inlet sensors do not significantly influence fan performance or sound levels. Adjustable mounting brackets simplify ordering and installation.

-B "Bleed" Airflow Sensors

monitor bidirectional "bleed" airflow to directly determine the pressurization between spaces or across orifices (i.e. fixed dampers or louvers). Available with several mounting kits or connect to any 1/2 inch NPT male pipe or fitting.

-T Terminal Box Sensors

Airflow Sensors Use this device if your application requires accurate measurement at the VAV box. Differential pressure based devices standard with most VAV boxes may be acceptable for temperature control but are unable to deliver performance if accurate measurement is required.

-U Unit Ventilator Sensor

Directly measure outside airflow rates in your classroom unit ventilator to document compliance with ASHRAE Standard 62.

Are you getting the **EBTRON** Advantage?

Thermal Dispersion Airflow Measurement

Feature	EBTRON Thermal Dispersion Airflow Measurement	Other Technologies	Advantage
Each sensing point is factory calibrated to NIST traceable airflow and temperature standards.	Yes	?	Accurate, reliable measurement for your state-of-the-art B.A.S.
Percent of reading accuracy.	Yes	?	Accuracy is maintained throughout the airflow range for your application, regardless of turndown.
Sensors are calibrated at 16 airflow rates between 0 and 5,000 FPM.	Yes	?	Infinite turndown throughout the entire airflow range encountered in today's HVAC designs.
Multiple sensors individually measure airflow and temperature prior to averaging.	Yes	?	True average airflow and temperature measurement. Accurate measurement where other technologies fail.
Each sensing point is constructed of two hermetically sealed bead-in-glass thermistor probes.	Yes	?	Long term stability and reliability. Field calibration is neither suggested nor recommended over the life of the equipment.
Transmitters use industrial grade components that can withstand temperatures below -20°F.	Yes	?	Heaters are not required when mounted in weather proof outdoor enclosures in colder climates.
Sensor calibration is stored in memory imbedded in the sensor probe cable connectors.	Yes	?	Sensor probes are "plug and play" and do not have to be matched to specific transmitters.
Analog output signals are isolated from the 24 VAC power source.	Yes	?	Does not require an isolated power source when interfaced with your B.A.S.
Signals provided directly to host B.A.S. without any additional transmitters and/or transducers.	Yes	?	No extra devices, which can add significant error and cost, to specify, purchase or install.
Network capability for all major protocols including BACnet, Lon, ModBus and JCI N2 Bus.	Yes	?	Interfaces with ALL Building Automation Systems.
Diagnostic mode allows viewing of individual sensor airflow and temperature readings.	Yes	?	View velocity & temperature profiles of your application. Useful for diagnosing HVAC system problems.
Fused and protected power input and signal outputs.	Yes	?	Contractor tuff!
UL Listed.	Yes	?	Satisfied rigorous testing of Underwriter's Laboratories.
3 Year Parts Warranty.	Yes	?	Piece of mind!
Unlimited, toll free customer support for the life of the equipment.	Yes	?	We stand behind our products and customers!

By specifying Ebtron and including it in the control sequence, outside air requirements, building pressurization and dynamic control of fixed and variable ventilation systems can be achieved. Ebtron systems are extremely accurate, have unmatched repeatability, low to no maintenance and virtually zero drift. They can be applied to measure velocity/cfm, differential pressure and temperature. The result of incorporating Ebtron is a facility that performs consistently with your design requirements regardless of stack effect, wind effect and other environmental challenges.