

Airflow Measuring Solutions from Greentrol for Safer Schools

Designed for Mechanical Supply, Exhaust, Ventilation, and RTUs without Building Automation

The U.S. Department of Education has recently published the ED COVID-19 Handbook Volume 1: Strategies for Safely Reopening Elementary and Secondary Schools **One One of the key health measures is: Conducting assessments or audits of existing ventilation systems; and developing a ventilation improvement plan.**

Following the guidance of the CDC¹ and Council of the Great City Schools², the goal of validating dilution ventilation can be achieved.



Ensuring mechanical ventilation systems work properly

Installing an airflow measuring solutions will:

- Provide real-time verification of flow rates in or out of the building³
- Validate you have at least the code minimum ventilation rates
- Alarm when airflows are low
- Quickly identify ventilation problems in the HVAC system if they happen

Increasing / Maximizing the amount of outdoor ventilation⁴

Greentrol airflow measuring solutions do:

- Integrate with thermostat or other room occupancy triggers
- Maintain minimum or enhanced airflow rates (*when integrated with damper actuator*)
- Provide a desired airflow rate per person (*when integrated with approved occupancy counter*)
- Alarm for high CO₂ (*when integrated with approved CO₂ sensor*)
- Integrate with existing economizer controls

Measure and Control Ventilation for COVID-19



- Greentrol is designed for easy installation and setup
- Doesn't require regular maintenance or recalibration
- Is designed for many years of accurate operation

Post pandemic, the airflow sensor can be integrated with Demand Control Ventilation to ensure optimal operation to ensure school occupants are always getting sufficient ventilation⁵.

A CO₂ measurement is an indicator only! It can't tell you if you have the right amount, of you meet code minimum or how much above minimum⁶. Real security is validating and controlling the airflow rates.

The Elementary and Secondary School Emergency Relief Fund (ESSERII) allows for LEAs to use available funds for improvements, repairs, and upgrades to mechanical ventilation and control systems. Install an Ebtron solution and always know you are meeting the health needs of students and school professionals.

1. CDC: Considerations to Improve Ventilation
2. Council of the Great City Schools: Increasing Ventilation and Improving Air Quality in Schools
3. The importance of Controlled Ventilation in Schools
4. CDC: Ensure Heating, Ventilation, and Air Conditioning (HVAC) settings are maximizing ventilation
5. Improved CO₂ –DCV
6. USGBC: Mythbusting Verifying Ventilation in Schools

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