



Solutions for Mechanical Supply, Exhaust, Ventilation, RTU or Air Handling Systems

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 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 solution will:

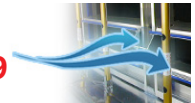
- Provide real-time verification of flow rates in or out of the building³
- Validate you have at least the code minimum ventilation rates
- Work with multiple types of Building Automation Systems to always maintain flow rates
(Note: without active measurement; flow rates can be impacted by weather, fouling, wear and tear, actuator and damper positioning error, human error, or mechanical failures)⁴
- Quickly identify ventilation problems in the HVAC system if they happen

Increasing / Maximizing the amount of outdoor ventilation⁵

Ebtron airflow measuring solutions do:

- Make it easier to adjust rates through the BAS without being present at the equipment.
- Have the ability to provide outdoor air thermal or moisture measurements that can be used to limit the ventilation to a minimum when it is too cold, hot, or humid, and increase it when conditions are favorable.
- Enable safe and healthy operation into the future

Measure and Verify Ventilation for COVID-19



Ebtron doesn't require regular maintenance or recalibration and is designed for many years of accurate operation.

Post pandemic, the airflow sensor can be integrated with Demand Control Ventilation for optimal operation to ensure school occupants are always getting sufficient ventilation⁶.

A CO₂ measurement is an indicator only! It can't tell you if you have the right amount of ventilation, or if you have code minimum, or how much of an increase above minimum⁷. Real security is validating and controlling the airflow rates.

The Elementary and Secondary School Emergency Relief Fund (ESSERII) and the American Rescue Plan Act of 2021 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.

EBTRON[®]
a measurable difference!

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. Ventilation Control for COVID-19 & Beyond
5. CDC: Ensure Heating, Ventilation, and Air Conditioning (HVAC) settings are maximizing ventilation
6. Improved CO₂ –DCV
7. USGBC: Mythbusting Verifying Ventilation in Schools



www.EBTRON.com



Phone: 800 2 EBTRON



E-mail: sales@ebtron.com