

# ADVANCED HVAC EDUCATION & TRAINING



Leading the Industry in  
High-Performance HVAC™

## Economizer Opportunities & Challenges

# Test & Certify Ventilation Systems and Economizers

***Learn to effectively test, diagnose, and sell economizer and ventilation improvements.***

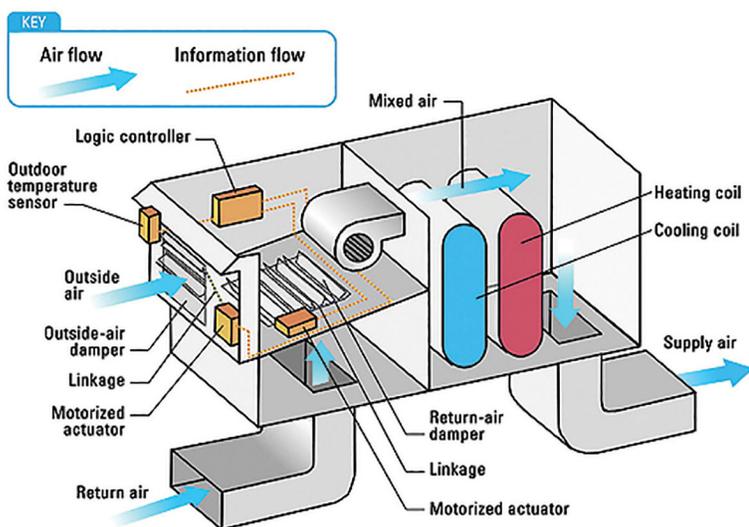
More than 50% of economizers in the field are either non-functioning, disabled, installed improperly, or have never been plugged in! In this two-day training course, you'll learn to apply practical field techniques and procedures to set up economizers, test functionality, and diagnose and repair malfunctioning units.

Looking to understand the in's and out's of economizer performance? Wondering how you can enter this field, or to brush up on your skills? This course will open doors to new customers and keep current customers satisfied. This advanced training will help you understand how to improve economizer performance and remedy deficiencies. Includes hands-on testing, diagnosing, repairing, and commissioning operating economizers.

Economizers are key to maintaining a building's energy-efficiency, and optimizing an economizer will result in proven increases in efficiency and comfort.



# Advanced Economizer and Ventilation Training and Certification for Residential and Commercial Application



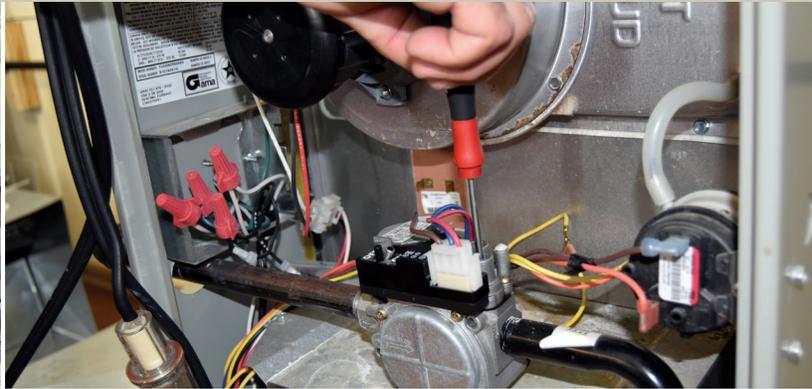
## WHAT YOU'LL LEARN:

- Introduction, Webinar Logistics & Course Preview
- What's driving building owners to upgrade economizers?
- Ventilation and Air Change Calculations
- Test Instruments and Report Forms – *with hands-on demo*
- Measure Fan Airflow – *with hands-on demo*
- Diagnose and Resolve Fan Airflow Issues – *with hands-on demo*
- Variable Speed Fan Controls – *with hands-on demo*
- Measure Economizer Airflow – *with hands-on demo*
- Measure Economizer Airflow – *with hands-on demo*



**Register now and discover the High-Performance HVAC™ Difference!**

For more information,  
call 800-633-7058 or visit  
[NationalComfortInstitute.com](http://NationalComfortInstitute.com)



### WHAT YOU'LL LEARN: *(continued)*

- Diagnose and Resolve Economizer Airflow Issues – *with hands-on demo*
- Test, Diagnose and Resolve Building and Room Airflow and Pressure Defects
- Build a ventilation scope of work
- How to Set up an Economizer Controller – *with hands-on demo*
- Commission Ventilation Systems – *with hands-on demo*
- Create certified ventilation system reports
- Course review and Exam Prep.

***The course concludes with NCI's exclusive Certified Economizer and Ventilation Specialist certification exam.***

### CLASS PREREQUISITES:

- Residential System Performance
- Commercial System Performance
- Commercial Air Balancing
- Advanced Air & Hydraulics

### NCI's Training and Certification Packages Include:

- Course workbooks, Field References, and other training materials
- Many useful NCI report forms and procedures
- Certificates and Wallet cards upon passing certification exams and field testing
- 30 days of unlimited toll-free support.



**Deliver high quality testing and produce professional reports and documentation to differentiate your company from your competition!**

**LEARN TO  
improve  
economizer  
performance  
through testing,  
diagnosing,  
and repair!**



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## Who is NCI?

**National Comfort Institute, Inc. (NCI)** is the world leader in HVAC System Performance and Air Balancing training. We created the industry's best practices, processes, and forms and have been teaching them for decades.

What makes NCI's approach different? We show you how to thoroughly test and diagnose the system using practical, easy-to-follow methods so you'll know exactly what to do to provide your customers with optimum comfort and energy efficiency.

NCI coined the phrase "High-Performance HVAC™", a unique approach to managing a contracting business through accountability and measurable results. During the past two decades, NCI has trained and certified more than 30,000 HVAC industry professionals. For more information about NCI, please call 800-633-7058 or visit [www.nationalcomfortinstitute.com](http://www.nationalcomfortinstitute.com).

### **Additional Educational Opportunities from NCI:**

- Residential HVAC System Performance & Air Balancing • Introduction to Hydronic Testing, Adjusting, & Balancing
- Large Commercial Balancing • Airflow Testing & Diagnostics Implementation • Duct System Optimization
- Combustion Performance and CO Safety • Commercial HVAC System Performance • Commercial Air Balancing
- NCI Online University • Refrigerant-Side Performance



Scan the QR Code  
to Learn More  
and Register