

Carrier Controls Expert Contractors

Tested, Certified and Factory Authorized Professionals to
Deliver the i-Vu[®] Building Automation System



Carrier Controls Expert Contractors

Certified and Factory-Authorized Professionals Specializing in the i-Vu® Building Automation System

Wondering which contractor is the best choice to service your building automation system or individual controls? Protect your investment by choosing a factory-authorized Carrier Controls Expert Certified Contractor.



The Carrier Controls Expert program trains and certifies an elite class of HVAC contractors who install and

service the i-Vu® Building Automation System in commercial buildings.

Through thorough training of their specialized service technicians — and rigorous, ongoing testing at various Carrier Controls Expert Training Centers — certified contractors maintain extensive knowledge of the i-Vu Building Automation System and its components.

The Carrier Controls Expert Certified Contractor is more than just a vendor. They are a partner dedicated to ensuring that individual controls and the i-Vu Building Automation System are correctly maintained.

This serves to maximize the value of your systems, to optimize the performance of the facility and to protect your investment in equipment and controls.



Both facilities staff and building occupants can connect locally with i-Vu Building Automation System user interfaces.

Why Choose A Controls Expert Contractor?

- Extensive knowledge of the i-Vu Building Automation System
- More than just a vendor — a partner dedicated to optimizing the performance of your building
- Peace-of-mind: your HVAC controls and building automation system are expertly maintained
- Consistently maximize the value of your building's systems



Through any web-enabled device, remotely achieve precise building systems management with the i-Vu Building Automation System.

Select your choice of the Carrier Controls Expert Certified Contractors in your area, and you'll be sure your installer has the expertise and backing of Carrier whenever they serve your facility.

www.carrier.com/controls-experts



The i-Vu® Building Automation System (BAS) brings the big picture into sharp focus with a 360° view of your building's entire operation. With its ability to communicate with HVAC and ancillary system components, the i-Vu Building Automation System gives you a real-time consolidated view of occupant comfort, energy usage, and all other operating conditions. As a result, you'll know precisely what's going on... and why.

- Pre-engineered control programs simplify system set-up, minimize the need for field programming, and streamline installation and commissioning
- Built-in system strategies eliminate the need for expensive system coordination modules
- Engineered for a variety of energy-saving strategies

i-Vu® Building Automation System

Keeping You Connected 24/7/365

- Intuitive, graphic-rich i-Vu user interface keeps you connected to your facility from any web-enabled device or locally through a wall-mounted touchscreen
- Unique graphics for individual system components give users total insight and control
- General purpose controllers make it easy to tie in ancillary equipment such as variable speed drives, lighting and electric meters

The i-Vu® Building Automation System provides everything you need to access, manage, and control your building, including the powerful i-Vu user interface, plug-and-play BACnet® controllers, and state-of-the-art Carrier equipment.

i-Vu® Building Automation System

Open and Flexible Controls

i-Vu controls are:

- Built on open standards (BACnet®), and BACnet Testing Laboratories (BTL) certified
- Flexible – can be factory-installed or field-mounted
- Easily integrated with other building systems such as lighting, variable speed drives and meters
- Designed for scalability – build small or large systems easily

Total control begins with the fundamentals — individual components built on open standards that easily integrate into the i-Vu Building Automation System. i-Vu controls can be factory-installed and are optimized to work with heating, ventilation and air-conditioning (HVAC) equipment from Carrier. They can also be field-installed for added flexibility.

i-Vu general purpose controllers are easily programmable and are compatible with an extensive application library to make it easy to integrate ancillary equipment into your facility.

The i-Vu Building Automation System transforms equipment and controls into a cohesive system that allows facilities staff to monitor and control the entire building for occupant comfort and energy efficiency. And the whole system is factory-tested to ensure seamless operation.



Regardless of building size or location, the i-Vu Building Automation System delivers an industry-leading solution with the precision and excellence synonymous with the name Carrier.

Carrier Controls Expert Groups and Tiers

The Carrier Controls Expert Program certifies contractors in two groups based on product categories, the i-Vu Open group and the i-Vu Open + CCN group.

Within each group, there are three tiers of certification. Shown below are the three tiers of certification and the specific areas of expertise:



CONTROLS EXPERT | CS

Comfort System

RTUs, VAV and VVT Zoning Systems, i-Vu Touch User Interfaces



CONTROLS EXPERT | IS

i-Vu System

Building Systems and Subsystems, i-Vu Web User Interfaces



CONTROLS EXPERT | ES

Encompass System

Air and Water Systems, Building Integration and Analysis

i-Vu[®] Building Automation System

Features and Benefits

Energy Savings

- Demand limiting strategy adjusts space setpoints and equipment operation before energy rates increase
- Demand Controlled Ventilation (DCV), eliminates over-ventilation
- Setpoint control limits user-adjustments
- Integrated economizer control and night-time free cooling minimize mechanical cooling by using outside air
- Heating and cooling lockouts prevent mechanical cooling and heating based on outside air conditions
- Linkage algorithms integrate diverse building demands with mechanical heating and cooling sources

Occupant Comfort

- Adjust individual comfort levels easily with attractive space sensors
- Convenient i-Vu scheduling tool provides temperature control at any time — weekdays, weekends, holidays, or after-hours
- Demand Controlled Ventilation (DCV), ensures ample fresh air at all times
- Built-in humidity control
- Integrated optimal start algorithm for conditioning space before occupants arrive

Simple and Flexible

- Fully scalable network architecture — build small or large systems easily and quickly
- Application-specific controllers — can be factory installed or field-mounted, and include built-in equipment graphics, trends, and alarms for i-Vu
- Pre-engineered control algorithms — simplify system set-up and minimize the need for field programming
- Streamlined system — eliminates the need for expensive system coordination modules

Complete Control

Powerful i-Vu operator interface

- Plug-and-play with all Carrier systems
- Monitor your facility locally through a powerful touchscreen interface, or from anywhere in the world using a standard web browser or mobile device
- Create schedules, view trends, alarms, custom reports, and much more
- Easily monitor and control ancillary equipment such as variable speed drives, lighting, and electric meters by adding our programmable controllers

Investment Protection

Carrier's complete system promises:

- Reliability — designed by experts and backed by decades of engineering expertise
- Open standards — built on the widely accepted, ASHRAE[®] standard BACnet[®] protocol
- Open service — serviceable by a wide variety of trained, tested, and certified Carrier Controls Experts
- Carrier provides it all — equipment and controls coupled with local service and support



CONTROLS EXPERT
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**For more information,
contact your local Carrier Controls Expert.**
Controls Expert Locator:
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