

## The Power of the i-Vu® Building Automation System



The i-Vu® building automation system gives you the ability to understand your building operations and analyze the results.

The i-Vu system integrates equipment and controls into one powerful management tool that allows you to lower energy consumption, increase occupant comfort and achieve sustainable building operations.



Our web-based platform allows building managers to control and access information about their HVAC, lighting, and critical processes on premises or remotely at any time of day.

When you buy our wireless solutions, you're getting more than just a product – you're getting all the benefits of working with the i-Vu building automation system.

- Maintains comfort and productivity
- Delivers operating efficiencies
- Balances occupant needs and operating costs
- Anticipates system issues
- Maintains sustainability
- Documents your successful results

### Already Have an i-Vu® System?

No worries. Our wireless solutions are retrofit-friendly.

- Add wireless adapter to existing controller's sensor network (Rnet) to enable wireless sensing
- Rnet supports multiple sensors with one input versus multiple inputs on the controller
- Sensor network can support a mix of both wired and wireless sensors
- A combination of up to 15 sensors are supported, depending on controller type
- Enjoy fast installation time with minimal disruption to building occupants
- Experience improved sensing by adding sensors virtually anywhere

### Ready to Go Wireless? Turn to the Experts

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.



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](http://www.carrier.com/controls-experts)

## Carrier i-Vu® Wireless Solutions Wireless Control for Your Building's Comfort





# Carrier Wireless Sensors and the i-Vu® Building Automation System... Optimizing Comfort, Control and Efficiency

Looking for a better way to monitor and respond to your building's conditions? With wireless solutions from Carrier, you can do just that — in virtually any environment.

As part of our i-Vu® building automation system (BAS), Carrier's wireless sensors continually monitor a broad range of environmental conditions. And, they can be easily mounted in locations where wired sensors aren't practical.

By reading environmental conditions, our i-Vu controllers can make smart decisions to help optimize the comfort, control and operation of building systems by:

- Adjusting room temperatures and turning lights on and off based on room occupancy
- Adjusting lighting levels to accommodate natural light (daylight harvesting)
- Turning heating or cooling systems on and off by sensing when windows are open or closed

With our powerful i-Vu building automation system, it's never been easier to meet the needs of your occupants and building while managing energy costs at the same time.



## Wireless Sensor Benefits

### Efficient Installation

With no wires to run, Carrier wireless sensors can be positioned virtually anywhere. And since they're mounted directly to a wall or a back plate, setup takes just minutes, which helps to keep your installation time and costs to a minimum.

### Energy Harvesting

Carrier wireless sensors are built using EnOcean® technology, collecting ambient light via built-in solar panels which power the sensor's functions. As such, batteries or other power sources are not required when sufficient lighting exists. This eliminates the need to change batteries and helps save the environment by keeping batteries out of landfills.

### Flexibility

When interior spaces are reconfigured, sensors can be easily relocated, so occupant comfort is never sacrificed. Their surface-mounted feature allows them to be positioned to avoid obstructions, enabling robust wireless communication. They also integrate seamlessly with our wired ZS sensors, allowing you to 'mix and match' to meet your needs.



### Distance/Signal Strength

Carrier sensors work in conjunction with a wireless adapter, which enables communication between the wireless sensors and an i-Vu controller in the space. With a 60-foot or more range, you'll have a strong signal throughout your building with just the sensors, eliminating the need to install repeaters or amplifiers for your zone-based applications.

### Comfort in Any Environment

Our wireless sensors are ideal for placement in, and monitoring conditions for, challenging interior spaces often found in:

- Schools
- Municipal
- Hospitals
- Large atriums
- Healthcare
- Commercial
- Historic
- Hospitality
- Retail
- Government



Enabled by our wireless adapter, Carrier wireless sensors easily communicate with any i-Vu controller.

# With No Wires to Run, Carrier Wireless Sensors Give You Control... Virtually Anywhere

## Great Wireless Solutions for a Better Building.

Our full line of wireless sensors offers a wide range of capabilities, ensuring a solution that fits your needs.

### Standard Sensor

This sensor has options for temperature only, temperature and humidity, or a remote thermistor and can be used to monitor room conditions.



### Window/Door Sensor

Placed on the interior side of any door or window frame, this sensor can detect when doors and windows are opened or closed, providing energy-saving HVAC control.



### Plus Sensor

Enjoy the monitoring features of our Standard sensor, with the addition of a setpoint dial for adjusting room temperature.



### Motion/Lux Sensor

This wireless, self-powered, passive infrared (PIR) sensor is the perfect solution for occupancy-based lighting and temperature control.



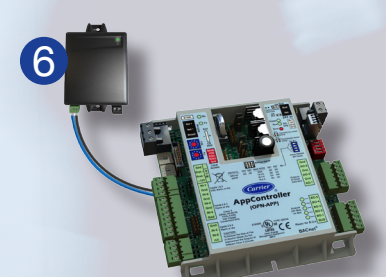
### Pro-F Sensor

This sensor is the complete monitoring package, including temperature and humidity sensing, an onboard passive infrared (PIR) motion sensor, setpoint adjustment and a digital display.



### Wireless Adapter

The adapter enables communication between the wireless sensors and an i-Vu controller that is optimizing the control of HVAC and lighting systems in the space.



Energy harvesting wireless sensors can monitor building conditions and invoke intelligent control strategies to optimize the use of HVAC and lighting systems in a building.