

We make data **big.**<sup>™</sup>

These days, everyone's making a big deal of big data. But the fact is, Automated Logic has been putting analytics to work in buildings for more than 40 years. We design and develop intuitive, intelligent, complete controls and interfaces that make it easy for building owners and managers to balance efficiency with occupant comfort. And in making it simpler to use building information and analytics to drive smart decisions, we make data big.



**AUTOMATEDLOGIC**  
United Technologies

We make data **big.**<sup>™</sup>  
Next level building automation engineered  
to help you make smart decisions.

WebCTRL<sup>®</sup>

# WIRELESS SOLUTIONS

For over four decades, Automated Logic has been producing high-quality building automation systems. We are part of UTC Climate, Controls & Security, a unit of United Technologies Corporation, a leading provider to the aerospace and building systems industries worldwide. More information can be found on [www.automatedlogic.com](http://www.automatedlogic.com).

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[www.automatedlogic.com](http://www.automatedlogic.com)

More comfort. More connectivity. Zero wires.





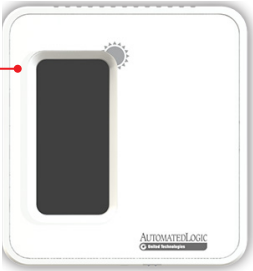
# Wireless Solutions Overview

## Great 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

Set this sensor to detect temperature only or to detect both temperature and humidity, or connect a remote thermistor to monitor temperature in another location.



### 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 the Standard sensor, with the addition of a setpoint slider for adjusting room temperature.



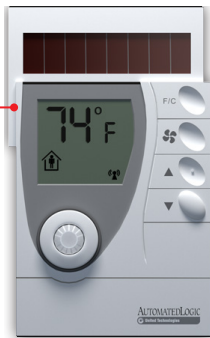
### Motion/Lux Sensor

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



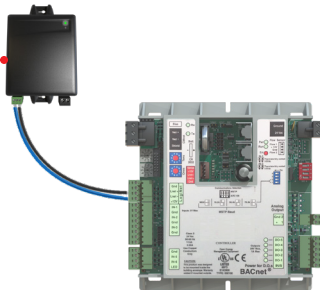
### Pro-F Sensor

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 wireless adapter enables communication between the wireless sensors and any WebCTRL® controller, allowing it to optimize control of the HVAC and lighting systems in the space.



# WebCTRL® Wireless Solutions

## More comfort. More connectivity. Zero wires.

Are you looking for better ways to monitor and respond to building conditions? With wireless solutions from Automated Logic, you can do just that — in virtually any environment.

As part of the WebCTRL® wireless solutions suite, our wireless sensors monitor environmental conditions such as temperature, humidity, motion, light, and the opening of doors and windows. They are ideal for spaces where wired sensors aren't the best fit, like large office areas with cubicles. And they work in a variety of applications and configurations, so you can tailor a solution that meets both your needs and those of your occupants.

By reading environmental conditions, our WebCTRL controllers can make smart decisions to optimize control of building systems, including:

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

Add our powerful WebCTRL building automation system, and it's never been easier to stay connected to the needs of your occupants — and your building — while managing energy costs at the same time.



Because there are  
no wires to run,  
the sensors can be  
positioned virtually  
anywhere.



# Everyone Wins with Wireless

**Architects** can be confident in a reliable wireless solution that is configurable to most building layouts, even spaces where it's difficult to install wired sensors.

**Building Owners** have access to key performance indicators to help them make decisions that save money, optimize energy savings and lower installation costs. They'll receive a solution that adapts to their building layout and keeps tenants satisfied.

**Facility Managers** enjoy improved monitoring capabilities and responsiveness, which leads to improved operational efficiency.

**Consulting/Specifying Engineers** get unification and integration of all building systems, combined with flexibility and reliable performance.

**System Integrators/Installers** enjoy minimized installation time, lower installation costs, increased productivity and time savings, and a wireless tool chain to facilitate installation and commissioning.

**Occupants** are able to work in a comfortable environment that enhances their day-to-day experience and improves productivity.

## Why Go Wireless? Benefits of a wireless solution.

### Surface-Mounted and Wireless

With wireless sensors, the benefits begin at installation. Because there are no wires to run, the sensors can be positioned virtually anywhere – even places that are impractical for wired sensors. They can be mounted directly to a wall or to a back plate, so setup takes just minutes. Whether you're installing a new system or adding additional sensors to your network, your time and costs are kept to a minimum.

### Comfort in Any Environment

No matter how your office space is configured or designed, wireless sensors allow you to easily monitor and control your building environment. In fact, wireless sensors are ideal for placement in areas where other sensors just don't cut it – like large office spaces filled with cubicles. With Automated Logic's complete line of wireless sensors, there's nothing standing in the way of year-round comfort and energy efficiency.

And they're not just for offices. Wireless solutions are also perfect for monitoring:

- Schools
- Hospitals
- Historic Buildings
- Large Atriums

### Energy Harvesting

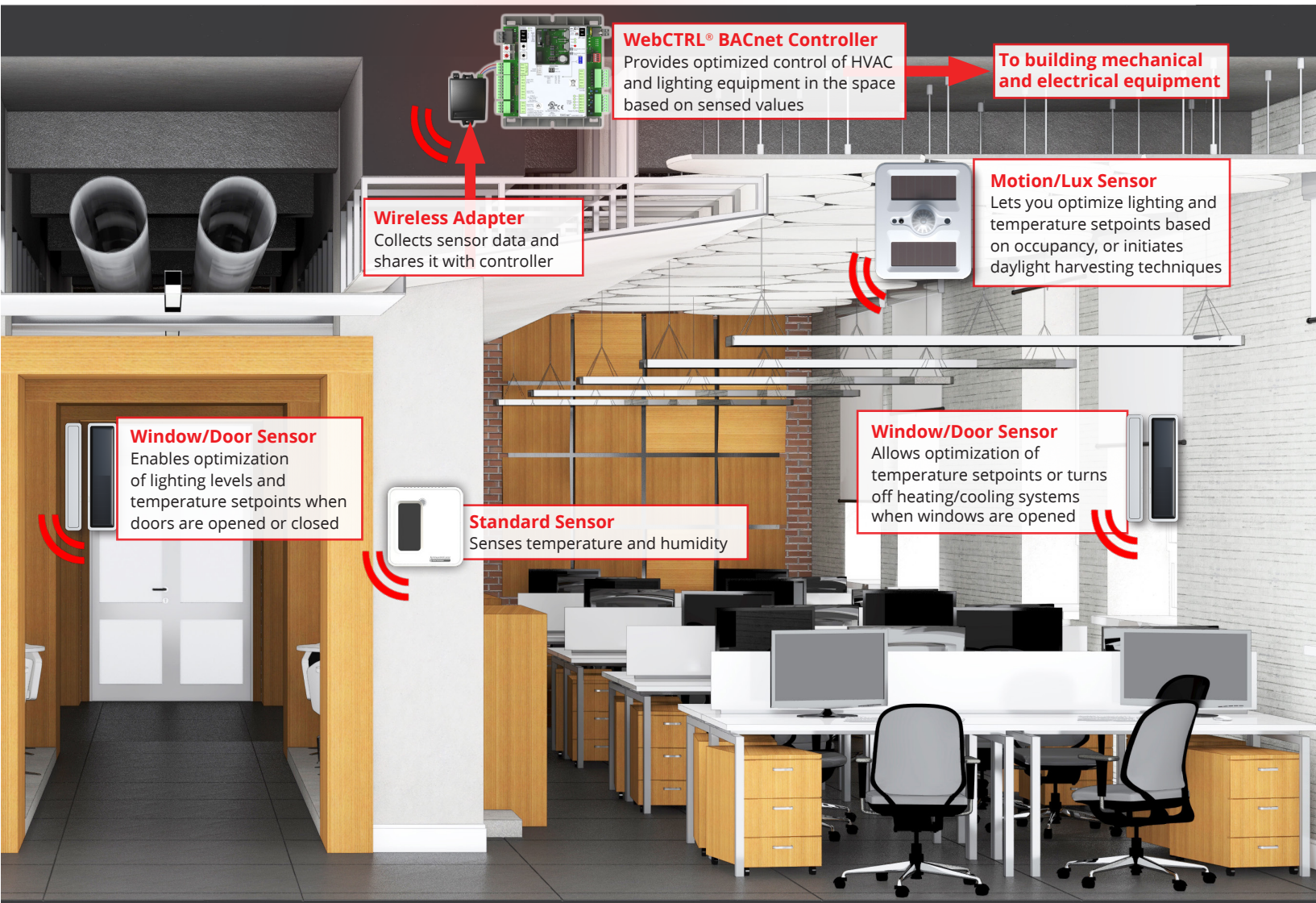
Wireless sensors are equipped with EnOcean® technology, collecting ambient light via built-in solar panels to power the sensor and send wireless communications. As such, batteries or other power sources are not required when sufficient lighting exists in the space. This eliminates the need to change batteries and saves the environment by keeping batteries out of landfills. Whether you're going green or trying to cut down on system maintenance, wireless sensors are the solution.

### Flexibility

Sometimes spaces need to be reconfigured, whether it's a shift in office layout or a change of tenants in a leased space. Wireless sensors can be easily removed and reinstalled elsewhere, so occupant comfort is never sacrificed. The surface-mounted capability allows the sensors to be positioned to avoid obstructions, enabling wireless communication in virtually any environment. Plus, they integrate seamlessly with our wired ZS sensors, so you can mix and match to suit your needs.

### Distance/Penetration

The wireless sensors work in conjunction with a wireless adapter, which enables communication between the wireless sensors and a WebCTRL® controller in the space. With a 60-foot range or more, Automated Logic's wireless technology is some of the best in the industry. You'll have a strong signal throughout your building with just the wireless sensors, so there's no need to install repeaters or amplifiers for your zone-based applications. Our wireless sensors are also available in different frequencies for different parts of the world and also support both metric and English units, providing global compatibility.



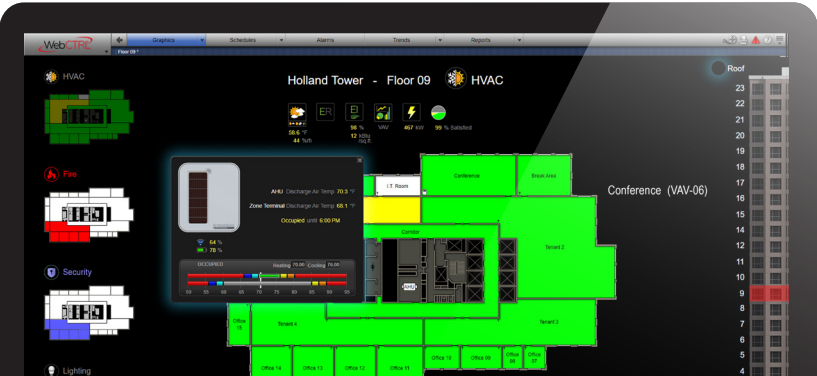
Energy harvesting wireless sensors can monitor building conditions and invoke intelligent control strategies to optimize the use of HVAC and lighting systems in a building.



# The Power Is in the Platform

Intelligent, energy-efficient and comfortable buildings start with the WebCTRL® building automation system.

When you buy our wireless solutions, you're getting more than just a product – you're getting all the benefits of working with the WebCTRL® 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 a WebCTRL® 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?

Our team helps you from start to finish.

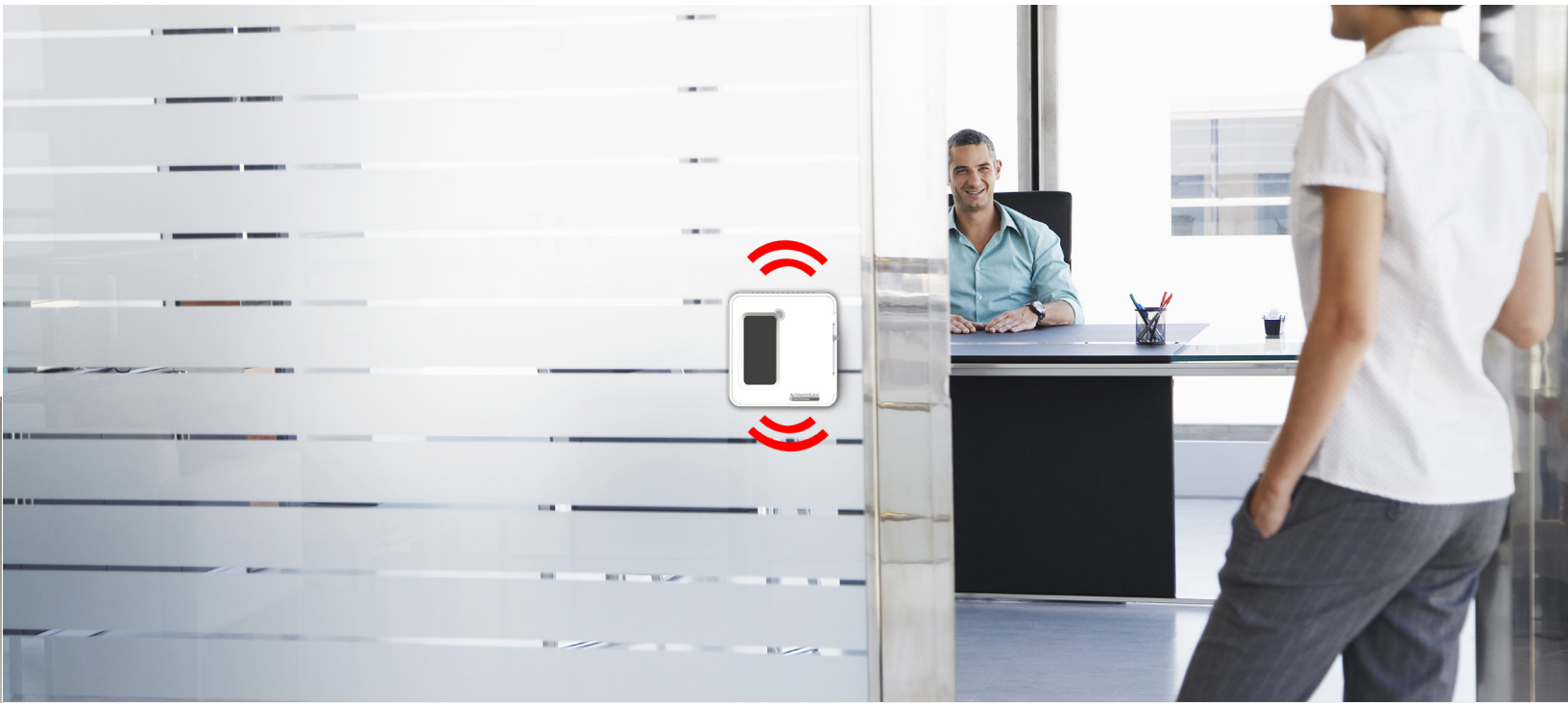


- Over 170 authorized field offices [worldwide](#)
- Proven experience in building automation, energy management and controls
- Vertical market expertise

Education	Retail	Healthcare	Hospitality
Government	Municipal	Data Centers	Commercial

- System integrators offering complete turnkey solutions

Procurement	Design	Delivery	Execution
Operations	Service	Support	Training



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems 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, central plant, and critical processes on premises or remotely at any time of day.

Visit [www.automatedlogic.com](http://www.automatedlogic.com) to learn more!

