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Building Efficiency Improves With Control

By Angela D. Harris
Of *The NEWS* Staff

Keeping control of large commercial systems provides building owners with a monumental daily task. Accomplishing this at optimum efficiency is nearly impossible without the help of multiple controls. *The NEWS*' seventh annual Dealer Design Awards' Commercial Controls Including Building Automation category awarded three manufacturers for their work to help contractors and building owners install and run efficient systems.

Gold Winner

Cypress Envirosystems' Wireless Pneumatic Thermostat (WPT) retrofits to existing pneumatic thermostats without rewiring to enable zone control. It makes each thermostat a part of an energy management system and enables them to integrate with a building management system.

Using a built-in motor to control the existing thermostat and a radio to send and receive wireless communications, the WPT allows for remote readings, diagnostics, and set point control. It features remote wireless set point control and monitoring of temperature and pressure. There are also pager/cell notifications of excursions. Installing contractors can benefit from automatic self-calibration and programmable temperature setbacks. The WPT has occupancy override and once installed, it enables demand response strategies and BACnet interface for integration with building management systems. It is compatible with existing Johnson Controls, Honeywell, Siemens, Robertshaw, and TAC pneumatic stats.

"This is a nice product to cost effectively bring older pneumatic buildings into the current era," noted one contractor judge. "It's electronic brains with pneumatic brawn."

The WPT installs quickly with no intrusion on the building tenants. Components included with it are a universal wall bracket, two self-tapping mounting screws, and two CR123 batteries. Installation requires a Phillips-head screw driver, a 1/16-inch hex Allen wrench, and a 2-mm Allen wrench. Typical installation time is fewer than 20 minutes per thermostat including mounting the WPT, configuring it, and calibrating it. The battery must be replaced every two years. ■



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COMMERCIAL CONTROLS

Gold Winner

Cypress Envirosystems

www.cypressenvirosystems.com

Wireless Pneumatic Thermostat



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