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Cypress Envirosystems Wireless Pneumatic Thermostat Ideal for Federal Energy Efficiency Stimulus Plan

Large number of older federal buildings with pneumatic controls can now be upgraded to Direct Digital Control (DDC) at 20% of the cost, and less than 20 minutes per zone

SAN JOSE, Calif., January 27, 2009 – Cypress Envirosystems, a subsidiary of Cypress Semiconductor Corp. (NYSE:CY), today announced that the low cost and fast installation of the Wireless Pneumatic Thermostat make it ideal for improving the energy efficiency of buildings targeted by the planned federal stimulus program.

According to President Obama on January 7th, 2009, the stimulus program aims to “save taxpayers \$2 billion a year by making 75% of federal buildings more energy efficient.” However, the majority of these older buildings uses pneumatic HVAC controls, and cannot implement night setback, zone control, occupancy override, auto demand response, or other energy savings strategies requiring modern Direct Digital Control (DDC).

Conventional retrofit of pneumatic controls to DDC typically costs over \$2,500 per zone and causes significant disruption to building tenants. The long investment payback (usually four to seven years) and the need to wait for tenants to vacate premises mean that most legacy buildings never upgrade despite compelling energy and productivity savings.

Cypress Envirosystems’s new Wireless Pneumatic Thermostat (WPT) accomplishes the same retrofit in less than 20 minutes, for less than 20% of the cost of conventional DDC. This means that retrofits can be performed right away, even while a building is fully occupied, and achieve payback periods of about one year. These are key advantages for stimulus funding eligibility.

The WPT is directly compatible with the majority of legacy pneumatic thermostats from Honeywell, Johnson Controls, Robertshaw, and Siemens. It can seamlessly integrate with modern building automation systems from virtually all major vendors via BACnet/IP. Numerous 3rd party systems integrators have successfully implemented the BACnet link including Emcor, ACCO, Johnson Controls, Siemens, RSD-Total Control, Wolf Mechanical, Syserco and others.

In addition, the system has completed compatibility testing with utility Auto-Demand Response systems developed by Lawrence Berkeley National Laboratories and in use by California utilities to shed electrical load during peak consumption periods.

According to Dan Ginn, General Manager of RSD-Total Controls, a distributor and installer for the WPT, “in today’s challenging business environment, this technology can be a savior to help us implement projects which are otherwise economically unfeasible.”

“The Wireless Pneumatic Thermostat will help unlock an enormous reservoir of potential energy savings from legacy facilities, including older federal buildings” says Bien Itrace, Senior VP of Business Development for Cypress Envirosystems.

Availability and Photo

The new Cypress Envirosystems Wireless Pneumatic Thermostat is currently available. For a photo of the WPT and other Cypress products, visit www.CypressEnvirosystems.com/media.

About Cypress Envirosystems Corporation

Cypress Envirosystems is a subsidiary of Cypress Semiconductor (NYSE: CY). Its mission is to save energy and improve productivity in older plants and buildings, using state-of-the-art non-invasive and wireless technologies to minimize disruption and cost, delivering payback of 12 months or less. More information is available at:

www.CypressEnvirosystems.com.

About Cypress

Cypress delivers high-performance, mixed-signal, programmable solutions that provide customers with rapid time-to-market and exceptional system value. Cypress offerings include the PSoC® Programmable System-on-Chip™, USB controllers, general-purpose programmable clocks and memories. Cypress also offers wired and wireless connectivity solutions ranging from its WirelessUSB™ radio system-on-chip, to West Bridge™ and EZ-USB® FX2LP controllers that enhance connectivity and performance in multimedia handsets. Cypress serves numerous markets including consumer, computation, data communications, automotive, industrial, and solar power. Cypress trades on the NYSE under the ticker symbol CY. Visit Cypress online at www.cypress.com.

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