

PRESS RELEASE

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Millennial Net Announces Intelligent Energy Conservation Solution For Commercial And Industrial HVAC Environments

MeshScape® 6424 Wi-Stat II wirelessly integrates multiple sensors and control actuators to optimize energy consumption and comfort within each zone, and easily retrofits to existing HVAC infrastructures.

Burlington, MA – June 10, 2008 – Millennial Net expands its revolutionary wireless energy management solutions at Sensor-2008 EXPO*. “With energy costs rising building owners have a low cost, non-invasive retrofit need for immediate energy monitoring and conservation measures, with a desire to optimize energy consumption and comfort within each zone across multiple sites.”, said Martin Hanssmann, CEO Millennial Net.

The MeshScape® Wi-Stat II is intended for use in commercial, industrial and municipal multi-zone HVAC environments to enable greater energy-policy compliance, multi-site remote monitoring and control, and usage analysis. Complex buildings environments, such as, office, retail, hospitality, entertainment, school, multi-unit dwellings and municipal buildings have a common need for regular and ad-hoc environmental occupancy patterns. Energy conservation is achieved by aligning HVAC operation and with set points that closely match occupancy comfort requirements and can incorporate multiple external sensors and control actuators to integrate other factors such as external temperature and peak energy demand. Such users will find the Wi-Stat II superior to programmable and network thermostat alternatives, which are often complex to deploy, set up, maintain and adjust to actual HVAC demands.

Designed for easy retrofit to existing HVAC infrastructure (i.e. single, multi-stage or heat-pump) without disruptive and expensive rewiring, the Wi-Stat replaces an existing analog, digital and/or pneumatic thermostat. It connects to existing HVAC wires to harvest power. This second generation product joins a growing family of devices, based on Millennial Net’s MeshScape wireless sensor network technology, utilizing standard 802.15.4 unlicensed radio band, It introduces three major innovations to reduce the cost and disruption of existing facilities needing to conserve energy immediately:

1. Wi-Stat II operates bi-directionally within the wireless sensor network to take intelligent control action. This provides local autonomy and robustness from disruptions in external communications.
2. Wi-Stat II is the only thermostat replacement to provide 802.15.4 wireless communications for buildings with pneumatic interfaces for HVAC controls. The Wi-Stat II supports both pneumatics and wired interface options to rapidly and affordably upgrade existing systems for energy management, and provides a migration path to future elimination of pneumatics, if desired.
3. Many users are intimidated by sophisticated technologies, when they simply want to be comfortable, and are more accepting of simpler conventional user interfaces. Therefore, the Wi-Stat II is available in three options: 1) pre-integrated with a Honeywell 5130 as the local user interface; 2) ready to be integrated to a user supplied conventional thermostat; 3) to be operated without an integrated thermostat.

In commercial, industrial and municipal environments the people who pay the energy bills and the people occupying buildings can be at odds. Reliable environmental zone comfort that closely satisfies occupant

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needs leads to greater energy policy compliance. With the Wi-Stat II, energy economy is improved through remote monitoring, set point management, and usage analysis. Office workers, school teachers and other such building occupants benefit from local thermostat control, including the ability to temporarily override a scheduled set back temperature set point when necessary. However, this local action is constrained by energy policies to prevent wasting energy. The Wi-Stat II provides an affordable, non-invasive solution for multi-zone buildings and multi-site portfolios, to the dramatically improve energy conservation.

***SENSORS-2008 EXPO-- Booth 506, June 9-11, Donald E Stephens Convention Center, Rosemont, IL (<http://www.sensorexpo.com>)**

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About Millennial Net

Millennial Net is a leading worldwide provider of commercial and industrial wireless networking systems and products for the energy management and automation markets that enable users, OEMs and systems integrators quickly and cost-effectively implement wireless monitoring and control applications. The company's advanced products and services can help customers save time and costs through wireless remote monitoring and management of critical devices. They also provide data for more informed decision-making, better control and increased revenue opportunities. Millennial Net's patented ad hoc, self-organizing wireless mesh networking MeshScape® system leads the industry in power efficiency, support for dynamic systems and mobile sensors, reliability, and scalability. Millennial Net also leads the industry in real-world deployments with networks installed across commercial building and industrial environments. Millennial Net is headquartered in Burlington, MA and owned by PHC Holding, GmbH (PHC). PHC is a privately-held company headquartered in Esslingen, Germany. For more information, visit www.millennialnet.com.

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