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DataNab Expands Range of 1-Wire Sensor Solutions

1-Wire Sensors minimize costs for temperature and humidity sensing in control and monitoring applications

BURNSVILLE, MINN., July 19, 2011 – DataNab, a supplier of low-cost IP-enabled solutions for commercial and residential systems, is expanding its range of 1-Wire temperature sensors, building on its diverse sensor portfolio. The new sensors provide additional low-cost options for temperature monitoring and control applications.

DataNab, which ships its full range of control and monitoring solutions worldwide, is targeting its 1-Wire products to OEM manufacturers, systems integrators, businesses and end users that require low-cost embedded control or monitoring solutions in temperature-related applications. This includes HVAC and refrigeration, as well as solar, geothermal and other alternative energy systems that use multiple temperature sensors to monitor and track system performance.

New sensors include an ultra-low-cost inline-potted design, a miniature stainless steel probe design that can be strapped to pipes, and a unique flush-mount room temperature design that can be concealed within walls.

DataNab's 1-wire sensors ultimately help customers reduce costs by enabling the use of lower cost controllers and simplifying how the sensors can be deployed over a network infrastructure. The company's intelligent temperature and humidity sensors feature built-in, uniquely addressable chips to support communication over a single cable, minimizing costs associated with labor and materials.

The built-in addressability of the 1-Wire chips allow the sensors to communicate to a central controller over a single-cable network in a daisy-chained fashion. This provides a more efficient alternative to legacy solutions that require a dedicated "home-run" cable to the controller from each sensor, eliminating the need for multiple wires and multiple A/D input connections.

"There are a large number of small businesses today that want to offer affordable systems to monitor and control solar, geothermal and other green alternative energy systems," said Adam

VanOort, president of DataNab. "1-Wire technology is supported by open and low-cost embedded controllers that perform well and provide alternatives to expensive, proprietary control systems. DataNab has enhanced the value proposition by providing 1-wire technology in innovative designs that apply to more markets. This makes it more affordable for small businesses to provide systems that are necessary in modern temperature-control applications."

DataNab recently released three new temperature sensors to the market:

- **Inline Potted Digital Temperature Sensor:** At $10, an ultra-low-cost option with the sensor embedded and potted into the end of a one-meter jacketed cable. This design can be used in almost any type of temperature measurement application, including harsh environments and direct contact with liquids.
- **Stainless Steel Digital Temperature Probe**: At $14, ideal for general purpose temperature measurement and sensing liquid temperature in pipes. This probe is just over one-inch in length, with a diameter of six millimeters.
- **Flush Mount Room Temperature Sensor**: At $22, this specialty mount room sensor, featuring a plastic threaded case, screws directly into drywall and can be painted over to become virtually invisible. The face of the sensor is three-quarters of an inch in diameter.

Two new designs scheduled for release in Q4 2011 will merge stainless steel probe designs with longer jacketed cables, offering cable lengths of one-meter and five-meters. These will be additional ultra-low-cost options for customers that require longer cables for general temperature measurement applications, eliminating the need to splice wires closer to the sensor.

About DataNab LLC (www.datanab.com)
DataNab LLC is based in Burnsville, Minnesota, USA, specializing in network-based solutions in a variety of applications including audio streaming and distribution, process controls, energy management, building automation, remote monitoring, data acquisition and access control. DataNab solutions are ideal for applications in AV, broadcast, security, building/facility management, alternative energy and other markets.

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