

FOR IMMEDIATE RELEASE

Sentinel™ PRO With Modbus Capabilities Provides System-Wide Monitoring of Unattended HVACR Equipment

ASTON, Pa., November 4, 2016 – Sensaphone® will feature the Sentinel™ PRO remote monitoring system at the 2017 AHR Expo, Booth C1250. The Sentinel Pro system can interface with any HVACR equipment that uses a programmable logic controller (PLC) with Modbus sensors. Operators no longer have to be on-site to manage complex networks, view real-time equipment status and get data points from PLCs.



The Sentinel PRO system monitors, delivers alarms and logs data input/output points from third-party Modbus sensors, transducers and PLCs. It supports Modbus RTU/485 and Modbus TCP. The system interacts with all existing sensors within a facility and provides operators with on-demand live status and data acquisition from any internet-connected device.

Only one Sentinel PRO device is required to monitor up to 64 Modbus registers and 12 different digital or analog status conditions for HVAC equipment, boilers, chillers, refrigeration and cold storage units. The sensors can monitor virtually any critical condition including temperature from -109 °F to 168 °F (-85 °C to 76°C), humidity, pressure, pH, conductivity and water leakage.

“The Sentinel PRO is ideal for HVACR professionals because it integrates devices and immediately delivers critical system-wide information,” said Rob Fusco, Sensaphone’s Technical Support and Service Manager. “It’s the most time- and cost-efficient way to poll Modbus registers from other equipment.”

All Sentinel remote monitoring systems send alerts via phone, email or text. Data values can be viewed in real time via sensaphone.net or the Sensaphone iPhone/Android app. All sensor readings are saved in the cloud, which protects against data loss and provides unlimited information storage. Multiple devices can be managed from one account using web-based management tools. The standard Sentinel system is Ethernet-based, but it is also available with a cellular option for locations that do not have internet access.

Sensaphone Suite of Products for the HVACR Industry

In addition to the Sentinel PRO system, Sensaphone will showcase its full line of remote monitoring devices and sensors for the HVACR industry:

Web600 Monitoring System – The Web600 system monitors up to six external conditions such as power failure, temperature from -109 °F to 168 °F (-85 °C to 76°C), humidity and water detection. Users can make programming changes, access status conditions and review data logs online. The system can log up to 100,000 records. In the event of an alarm, the system can notify as many as eight people by email, text message or SNMP trap.

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IMS-1000 Monitoring Solution – Each IMS-1000 system supports up to eight sensors to monitor critical environmental conditions such as humidity, water leakage, power outages and temperature to -109 °F (-85° C), ideal for cold-storage applications. One IMS-1000 device can monitor up to eight cold storage units. When the system identifies a potential problem, it immediately sends alerts through Ethernet and telephone connections.

WSG30 Monitoring System – The WSG30 system is a web-based monitoring system that uses wireless sensors to detect problems such as temperature changes from -109 °F to 115 °F (-85 °C to 57°C), humidity fluctuations, water leaks and power outages. A single WSG30 unit can support up to 30 wireless sensors. In the event of an alarm, the WSG30 system notifies up to 32 people by e-mail, text message, SNMP or Modbus.

Vibration Sensor – The Sensaphone Vibration Sensor is compatible with all Sensaphone monitoring devices that accept a 4-20mA input. The sensor monitors the vibration velocity on a non-rotating surface and conforms to ISO 10816 guidelines for mechanical vibration. Using the Sensaphone Vibration Sensor helps to safeguard critical equipment through vibration analysis and to prevent possible equipment failure.

Pressure Sensor – The Sensaphone Pressure Sensor monitors for pump problems such as clogged intake or discharge lines, loss of suction or a burst pipe. The sensor has a pressure measuring range of 0 to 200 psi, cable length of 6.6 feet (2 meters) and operates in temperatures from -40 °F to 194 °F (-40 °C to 90 °C). The sensor sends real-time pressure data to the Sensaphone system for data acquisition and alarming.

About AHR Expo

The International Air-Conditioning, Heating, Refrigerating Exposition (AHR Expo), which began more than 85 years ago as a heating and ventilation show, has now grown into one of the world's largest HVACR events. The Exposition is held annually in key markets and major cities across the U.S., hosting close to 2,000 exhibitors and bringing in crowds of 60,000 industry professionals. The show provides a unique forum for the HVACR community to come together and share new products, technologies and ideas. The event is co-sponsored by ASHRAE and AHRI and is held concurrently with ASHRAE's Winter Conference. The 2017 AHR Expo will be held from January 30 to February 1 at the Las Vegas Convention Center. For more information visit www.ahrexpo.com.

About Sensaphone

Sensaphone® offers a comprehensive line of remote monitoring products that safeguard valuable assets by tracking critical environmental data such as temperature, humidity and power failures. Sensaphone products provide alerts and proactive monitoring data to homeowners and facility managers in many areas including telecommunications, oil and gas, water and wastewater, HVACR, agriculture, healthcare, data centers and greenhouses. More than 400,000 Sensaphone systems are in use today around the world, and they continue to be manufactured in the USA. For more information, call 877-373-2700, email contact@sensaphone.com or visit www.sensaphone.com.

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