

FOR IMMEDIATE RELEASE

Sentinel™ PRO System With Modbus Capabilities Provides System-Wide Monitoring Data for Water and Wastewater Applications

ASTON, Pa., August 12, 2016 – Sensaphone® will feature the Sentinel™ PRO remote monitoring system at WEFTEC 2016, Booth 3001, September 24-28 in New Orleans. The Sentinel Pro system can interface with any water/wastewater processing equipment that uses a programmable logic controller (PLC) with Modbus sensors. Operators no longer have to be on-site to 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, real-time status and data acquisition from any Internet connected device.



Only one Sentinel PRO unit is required to monitor up to 64 Modbus registers or 12 different digital or analog status conditions at remote pump stations and tank farms including power, pump status, tank level, flow rate, pressure, temperature, humidity and water leaks.

“The Sentinel PRO is ideal for water and wastewater 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 easiest way to poll Modbus registers from other equipment.”

The system can also monitor critical conditions like power failure, tank level and flow rate at unattended pump stations, wells and tank farms. 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 remote locations that do not have internet access.

Sensaphone Products for the Water Treatment Industry

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

SAT4D

The SAT4D system communicates via satellite and is ideal for facilities in the most remote locations where telephone, Ethernet and cellular connections are unavailable. It can monitor up to four critical conditions 24/7, including tank floats, pump status, security, power failure and equipment malfunction. When an alarm occurs, the system sends notifications to up to eight telephone numbers and six email or text messages.

Express II

The Express II system is ideal for 24/7 monitoring of conditions such as pump failure and tank levels and is expandable to include up to 40 channels. The system can send alerts to up to 48 people with custom phone calls. It easily integrates with existing floats, pump alarm outputs and level transducers. The internal rechargeable battery backup provides 12 hours of continuous monitoring and alerts in the event of a power outage.

CELL682

Communicating via standard cellular networks, the CELL682 system is ideal for remote facilities where telephone and Ethernet connections are unavailable. The system can monitor up to 14 critical conditions 24/7, including tank levels, turbidity, pump status, flow rates, security, power failure and equipment failure. If the system detects a potential problem, it sends alarm notifications to up to 24 voice, text or email destinations.

1400 and 1800

The Sensaphone 1400 and 1800 systems are simple, convenient, cost-effective solutions ideal for smaller operations. The systems have four and eight external sensors, respectively, to monitor status conditions 24/7. They can immediately alert up to eight people with custom phone calls. The internal rechargeable battery backup provides 24 hours of continuous monitoring and alerts in the event of a power outage.

Water Quality Sensors

Sensaphone Water Quality Sensors measure oxidation-reduction potential (ORP), pH and toroidal conductivity, so that water treatment facility operators can be alerted when conditions fall outside the desired range. The sensors are compatible with most Sensaphone remote monitoring systems, which provide the necessary alerting and data logging functionality.

Vibration Sensor

Sensaphone's Vibration Sensor can be permanently mounted on water facility equipment like pumps, motors and generators to continuously monitor vibration velocity and detect unusual conditions. The sensor provides constant real-time data to an accompanying Sensaphone monitoring device, which sends an immediate alert to designated personnel when vibration levels fall out of range. The Sensaphone Vibration Sensor is compatible with all Sensaphone monitoring devices that accept a 4-20mA input.

About WEFTEC®

WEFTEC®, the Water Environment Federation's Annual Technical Exhibition and Conference, is the biggest meeting of its kind in North America and offers thousands of water quality professionals from around the world the best water quality education and training available today. Also recognized as the world's largest annual water quality exhibition, WEFTEC's massive show floor provides unparalleled access to the field's most cutting-edge technologies and services. For more information, visit <http://www.weftec.org/>.

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 888-369-4781, email contact@sensaphone.com or visit www.sensaphone.com.

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