H₂O Degree LoRaWAN Temperature/Humidity Sensor Extends Network Features

Garden-style apartment and high-rise facility managers use the company's LoRaWAN-based wireless submetering systems to monitor and control energy consumption; The new smart sensor enables tighter thermostat control

Bensalem, PA—March 17, 2022—H₂O Degree, manufacturer of advanced two-way wireless submetering systems, announces the availability of a new temperature/humidity sensor as an addition to its LoRaWAN-based energy monitoring and control system. The L54110 LoRaWAN-Enabled Smart Sensor adds functionality to existing networks comprised of H₂O Degree battery-powered meters, sensors and controllers. The device has an operating temperature range of -20 to 50 °C and relative humidity of up to 90%.

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H2O Degree's LoRaWAN-equipped devices utilize LoRaWAN Class A secure wireless 915 MHz technology. This long-range, open-protocol network facilitates line-of-sight, bi-directional communications of over six miles. In garden-style, multi-family facilities, individual units can operate within a 1,000-foot radius from the gateway, covering a 70-plus-acre property. And in high-rise buildings, LoRaWAN offers a 25-story radius from the gateway, ultimately covering up to a 30-story building. Meanwhile, LoRaWAN-enabled networking reduces or eliminates the need for repeaters even in these large buildings. This simplifies and lowers the cost of the submetering installation.

The entire LoRaWAN network is connected to the H₂O Degree Cloud Server via an LIT1005 Ethernet Gateway or LIT2010 cellular modem. H₂O's Smart Metering wireless data acquisition system and PC-based software provide property managers and tenants with reporting and alerts to react quickly to faulty toilets, leaking faucets and water waste. The wireless monitoring system also provides landlords with data needed for tenant billing.

"The L54110 LoRaWAN-Enabled Smart Sensor allows for tighter environmental control by providing accurate, real-time temperature and humidity data," says Don Millstein, H₂O Degree's President.

To learn more about H₂O Degree's submetering and leak detection system, please go to www.h2odegree.com. A catalog can be downloaded here.

About H₂O Degree
H₂O Degree manufactures a broad line of wireless, radio-based and LoRaWAN enabled submetering and leak detection systems that measure individual apartment or condo use of water, domestic hot water energy, boiler and chiller energy, electricity, gas and BTUs. The systems are ideal for tenant billing, flood & leak detection reporting down to the toilet level and energy analytics. The company also offers Green Thermostats, which track energy use and apartment temperature while allowing tenants and property owners to set temperature set-points and schedules, adjust set-back temperatures when tenants are away or asleep, report HVAC maintenance issues and provide control for vacant utility costs. For more information, please go to: www.h2odegree.com.