

H2O Degree Expands Wireless Submetering & Water Leak Detection System with New Flood Sensors & Smart Valve for Automatic Water Shut-Off

H2O Degree new LoRaWAN enabled sensors include water flood detection sensors, occupancy sensors and smart water shut-off valve



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Bensalem, PA— August 24, 2021 — [H2O Degree](#), provider of the industry's first LoRaWAN-based submetering and water leak detection system, has expanded their offering with a variety of sensors and a smart water shut-off valve to provide additional utility data & control to property owners and managers of multi-family residential and commercial buildings. Unlike units that connect over proprietary protocols, the new [H2O Degree LoRaWAN-based sensors](#) are unique in their ability to communicate via the open protocol, cloud-based LoRaWAN (long-range wide area network) platform,

which does not require a dedicated PC or software – or a repeater network. LoRaWAN networking capabilities improve data-collection speed, accuracy and communication distance, all while simplifying and reducing the cost of submetering installations. These sensors remotely monitor and record a variety of data points creating a complete utility management ecosystem for multi-tenant facilities.

The LoRaWAN enabled Smart Water Shut-Off Valve can automatically react to the flood sensor alarms to remotely open/close operations of water valves, enabling quick and easy water shut-off in the event of a leak or flood. This solution provides a completely wireless internet enabled flood detection and shut-off valve solution to protect the property. Insurance companies are offering discounts for these types of systems and in some cases will not insure the property unless they have an internet enabled flood detection system. The new sensor offering includes:

- **LoRaWAN Water Flood Sensor** – Detects water flood leaks with a secure, flexible design.
- **LoRaWAN Water Flood Rope Sensor** – Detects water flood leaks across a wider area via an easy to install rope-type sensor that senses leaks along the full length of the rope.
- **LoRaWAN Occupancy Sensor** – Detects real-time data about motion, lighting and temperature activity in a designated area, complementing the flood sensor alarm features.
- **LoRaWAN Smart Valve**- Allows for remote open/close operation of water valves to support quick response to leaks and flood events based on input from sensors and usage data.

“The latest additions to our family of LoRaWAN enabled products offers building owners and managers expanded water monitoring and management capabilities for their buildings,” said President of H2O Degree, Don Millstein. “The new Flood and Occupancy Sensors install easily in new or retrofit applications to identify water leaks and flooding conditions facility wide, while the Smart Valve enables owners to automatically — and remotely — shut off the water valves causing the flooding event, reducing the physical damage to the property. The ability to integrate these new sensors with H2O Degree’s LoRaWAN system is a win-win for building management and tenants alike, enabling both to better manage their utilities and reduce building damage & maintenance costs.”

H2O Degree’s advanced two-way wireless submetering systems are used for tenant billing, water leak detection, flood detection, utility conservation and building automation system integration in multi-tenant facilities.

[Click here](#) to view the full suite of H2O Degree’s LoRaWAN enabled products. 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 mesh, radio-based 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, 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 cost. For more information, please go to: www.h2odegree.com.

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