



The Vela Leak Sensor is a long-range, low-power water leak sensor supporting LoRaWAN wireless protocols. The sensor provides configurable, real-time alarms or regular reported statistics.

The sensor is easily deployed in hard-to-reach places: under water tanks, basements, bathrooms, or attics. The base unit detects the presence of water with probes located on top and. Place the sensor anywhere there is a high risk of damage due to leaks or flooding.

The sensor is powered by two AAA batteries providing 5+ years of operation in normal conditions. Batteries are easily replaced.

The sensor can be configured to provide leak detection, leak clear, and reminder notifications. Additionally, the sensor can be remotely configured to provide various statistical reports ideal for smart building applications.

The sensor also features temperature monitoring, statistics, threshold detection, and battery charge remaining notifications.

Features

Remotely Configurable Notifications:

- Leak detect, leak cleared leak-reminder events
- Temperature threshold triggers: absolute and relative

Administrative Notifications: low-battery, device reset

Remotely Configurable Reports

- Leak event statistics
- Temperature Statistics

Long Range: typical 300 to 500 meters

Applications

Near/under sump pumps, water heaters, sinks, toilets, water tanks, and other plumbing related equipment

Under or near laundry machines

Under refrigerators & ice machines

Specifications

LoRaWAN v1.03 Class A device

U.S. 923 MHz, E.U. 868 MHz, China 470 MHz, and other frequencies available

Two (2) leak probes: top and underside

Dimensions: [L x W x D]: 2.44 x 2.44 x 0.96 inches (62 x 62 x 24.5 mm)

Environmental: -4°F – 122°F (-20°C – 50°C), Humidity Range: < 95% non-condensing

Multi-color status LED (front)

Set button (underside)

Power: 2 AAA batteries (3V DC)

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