



The Vela Long Range Tilt & Vibration Sensor is a long-range, low-power tilt and vibration sensor supporting LoRaWAN wireless protocols. The sensor provides configurable, real-time notifications or regular reported statistics.

The sensor can be readily attached to doors, garage doors, windows, firearms, jewelry boxes, or machinery. The sensor detects motion in all three dimensions. Small and low profile, the sensor can be used for a wide variety of applications where detection of vibration or tilt is required.

The sensor is powered by two AAA batteries providing 2+ years of operation in typical conditions. Batteries can be easily replaced.

The sensor can be configured to notify when vibrations exceed thresholds: supporting impulse, direction, and duration configurations. Powerful statistics monitoring can record duration of events, maximum, and minimum values as well as direction. The sensor has temperature monitoring, triggers, and battery level notifications.

Features

Three built-in operating configurations:

- Vibration impulse detector
- Continuous motion detector
- Garage door tilt detector

Administrative notifications: low-battery, device reset

Create custom configurations

Temperature and statistics reports

Long range: typical 300 to 500 meters

Applications

Protection: affix to objects and machinery to be notified whenever they are moved or disturbed

Monitor: receive notifications including mail and porch delivery boxes.

Specifications

LoRaWAN v1.03 Class A device

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

Multi-Axis Vibration Sensor: selectable 2g, 4g, 8g and 16g sensitivity ranges

Dimensions: [L x W x D]: 2.56 x 1.97 x 0.69 inches (65.02 x 50.04 x 17.53 mm)

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

Multi-color status LED

Set button

Power: 2 AAA batteries (3V DC)

For more information please visit www.ulinktech.xyz
support@ulinktech.xyz