

# WIRELESS VIBRATION SENSOR

The wireless vibration sensor uses an internal accelerometer to detect motion events such as vibration and shock. When motion is detected that exceeds a certain threshold, or if the acceleration stops, an alert is sent over the wireless network. Versions of the sensor support the major LPWAN standards such as Sigfox, LoRa/LoRaWAN, and SubGig.

## Features



- Built-in radio that talks directly with the wireless network\*. Standards include:
  - Sigfox®
  - LoRa®/LoRaWAN™
  - SubGig®
- Two types of tamper detection: enclosure tamper and wall mount tamper
  - Enclosure tamper detects if the packaging of the sensor itself is opened or broken
  - Wall mount tamper detects if the sensor has been removed from the wall or mounting point
- 20,000-1,000,000+ transmissions on a single battery and a 5-10 year battery life depending on usage
- User replaceable battery
- Fully integrated internal antenna
- Over the air sensor configuration in the field
- Automatic low battery reporting and supervisory (sensor health) reporting

## Applications

- Vibration and shock sensing
- Motor failure detection (loss of vibration)
- Glass break detection
- Security applications
- General movement and acceleration sensing



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\* Note that some networks require monthly data plans. See the Radio Bridge website for more detail.