



The CS1040 is a long-range, low-power tilt and vibration sensor supporting LoRaWAN or Coralink 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 CS1040 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 CS1040 has temperature monitoring, triggers, and battery level notifications.

Features

- ◆ Three built-in operating configurations:
 - Vibration impulse detector
 - Garage door tilt detector
 - Continuous vibration detector
- ◆ Administrative notifications: low-battery, device reset
- ◆ Create custom configurations
- ◆ Temperature and statistics reports
- ◆ Peer to peer communications (Coralink only)
- ◆ 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, Coralink™ 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

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