

WIRELESS AIR TEMPERATURE AND HUMIDITY SENSOR

The air temp and humidity sensor uses air flow to measure temperature and humidity levels. If the temperature and/or humidity rises above or falls below the configured thresholds, 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

- Monitoring of room temperature and humidity levels
- Detect freezing temperatures to protect plumbing
- Detect heat failure in second homes or remote buildings
- Detect cooling system failures
- Industrial temperature monitoring
- General temperature/humidity sensor



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