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Sense Condition (alert button version)

The Sense Condition (alert button version) harnesses the power and versatility of LoRaWAN and combines it with a push button feature to create a highly effective alerting and feedback device for indoor locations. The device is very energy efficient on the powerful battery, ensuring a long life.

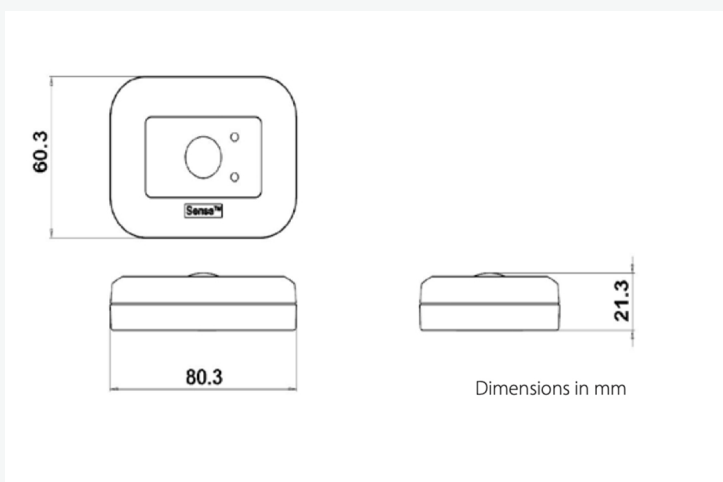
The device is designed to work in conjunction with local LoRa networks and has been deployed and tested with MultiTech Gateways. It is a class A end node with two different configurable beaconing schemes allowing the user to set the product to alarm on button press (Temperature and Accelerometer sensors can be added as an optional extra).

Applications

The Sense Condition (alert button version) is designed for highly reliable, long term alerting and feedback communication for a variety of different applications such as:

- Facilities management
- Consumable replenishment
- State change notification
- Field operations
- Emergency detection
- Worker accountability
- Yard management
- Production line material flow
- Room utilisation
- Space/asset utilisation
- Ports construction & mining
- Asset management
- Fleet monitoring

Dimensions



Physical Specifications

Material	2-part durable PC/ABS case
Size	80.3 x 60.3 x 21.3 mm 3.16 x 2.37 x 0.84 in
Weight (g)	77
Attachment	Adhesive

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Configurable Parameters

Default Beacon Rate (In Hours) Sensor Period (in minutes)

Environmental Specifications

Operating Temperature -20°C to +60°C

Shock & Vibration Tolerance MIL-STD-810 F

Certifications

CE, FCC, RoHS, NFC, LoRa



Operational Specifications

Radio Protocol NFC, LoRaWAN

Read Range 3-5km urban - can be up to 15km line of sight

Supported Profiles 868 MHz - Europe, 915 MHz - USA

Battery Type Sealed prismatic battery, non-replacable

Battery Capacity 3.85 Ah

Battery Life 5 years+, 25,000 activations

Default Beacon Rate 1-254 hours

Alarm Beacon Rate Configurable from 0-254 minutes (where 0 is off)

Sensors Push button

Optional Sensors Accelerometer

Visual Indicator LED

Related System Components

LoRa Technology Evaluation Kit Including LoRa devices, user guide and MultiTech reader

Ordering Information

Warranty 1 year

Part Number / Order Codes / Order Numbers CP13889 (EU version)
CP14166 (USA version)