

# USER MANUAL

[www.sensit.io](http://www.sensit.io)



## SENS'IT 2.1

## SUMMARY



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## **SAFETY INSTRUCTIONS**

- \* Before any use, please read carefully this manual and keep it for any later use.
- \* Any use not in accordance with this manual will result the exclusion of warranty and of the manufacturer's liability.
- \* Use only parts and components coming from Sigfox and Sens'it.
- \* Place the Sens'it in a cool and dry area. For the withstood temperature and humidity ranges, see the technical specifications.
- \* Do not leave any electronic equipment on the top the Sens'it.
- \* Do not submerge Sens'it in liquids
- \* Do not place the magnet close to electronic devices, like PCs, batteries, etc., they could be damaged or information could be deleted.

## **I. CONTENT OF THE PACK**

### **YOUR SENS'IT PACK CONTENTS:**

- \* 1 Sens'it
- \* 1 magnet
- \* 1 micro USB cable
- \* 1 velcro strap
- \* 1 Sens'it user manual

## II. PRESENTATION

Sens'it is a connected device whose objective is to demonstrate the capabilities of Sigfox network. It includes several sensors that will measure data and send it to web and mobile applications available on [www.sensit.io](http://www.sensit.io)

### THE SENS'IT CAN BE CONFIGURED IN 6 DIFFERENT MODES:

- \* **Temperature and Humidity mode** (LED blinks in green). In this mode, the Sens'it will send sensors' data at a defined frequency (every 10min, hour, 6hours, day).
- \* **Light mode** (LED blinks in yellow). In this mode, the Sens'it will either send light sensor data at a defined frequency or will only send notification based on trigger.
- \* **Door opening detection** (LED blinks in light blue). In this mode, the Sens'it will be fixed on a door, and will send an alert every time the door is being opened.
- \* **Vibration detection** (LED blinks in dark blue). In this mode, the Sens'it will send a notification every time the movement sensor has detected a movement.
- \* **Magnet** (LED blinks in Purple). The Sens'it will send a message every time the magnet is put near the right side of the Sens'it.
- \* **Button** – Only (Secondary LED blinks in White). Sens'it will send a message every time the button has been pressed.

## **HOW TO CHANGE MODES AND SEND MESSAGES:**

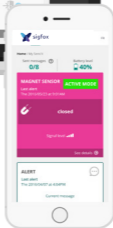
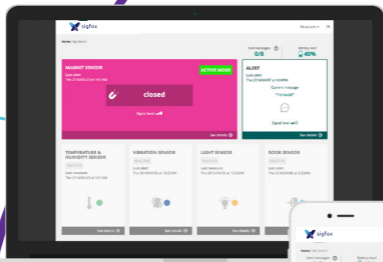
- \* One long press on the central button will make the Sens'it change mode.
- \* A double press and the Sens'it will directly send a message.
- \* A short press and the LED will blink in the current mode's color.
- \* A maximum of 8 messages can be sent within an hour. This limitation is due to regulation on the frequency band used.

## **CHARGING**

- \* To recharge the Sens'it, use the micro USB cable provided.
- \* Once plugged, the secondary red LED will turn on. It will turn off when the battery is completely charged.
- \* The main LED blinks twice in red to warn user of an empty battery.

## **WEB & MOBILE APP**

- \* Sens'it data is available on [www.sensit.io](http://www.sensit.io) website on Desktop and Mobile. The application allows to monitor data but also to configure email, SMS or web notifications depending on the current mode of the Sens'it.
- \* iPhone and Android apps are also available in app stores.
- \* An API for developers is available on [api.sensit.io](http://api.sensit.io)



Temperature  
& humidity



Light



Door opening  
detection



Movement  
or vibration



Magnet



Alerting

### III. HOW TO START



Visit **www.sensit.io**  
and click on "Start  
with your Sens'it"

1



Use the ID printed  
at the back of your  
Sens'it

2



Long press on the  
main central button

3



Main LED will turn  
green to show your  
Sens'it is in the  
temperature mode

4



Wait until the  
LED blinks green,  
showing a signal is  
being sent

5



Data transmitted are  
available on the web  
app dashboard

6



## IV. TECHNICAL SPECIFICATIONS

### THE SENS'IT INCLUDES SEVERAL SENSORS:

- \* Temperature
- \* Humidity
- \* Movement (3-axis accelerometer)
- \* Magnetometer
- \* Light

### TECHNICAL CHARACTERISTICS

- \* Sens'it version 2.1
- \* Includes a 250mAh LiPo battery
- \* Dimensions (WxHxD): 48mm x 85mm x 14mm

### TRANSMISSION AND RECEPTION DETAILS

- \* Frequencies Used: 920-923Mhz
- \* Emission power: 22dBm ERP

### IT ALSO INCLUDES

- \* A central button to control the device
- \* A Reed-switch that goes with the magnet.
- \* 3 LEDs

### RADIO CHARACTERISTICS

- \* Sens'it is Sigfox Ready Class 0

### ENVIRONMENTAL CHARACTERISTICS

- \* Temperature range: -10°C to +50°C
- \* Maximum relative humidity: 90 %

## V. WARNING STATEMENTS

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.



Do not throw away Sens'it in the normal household waste; it must be disposed properly in the same way as other electronic equipment in accordance with local environmental regulation for waste disposal.

## VI. CREDITS

Sens'it is owned by Sigfox.

Sens'it development has been in partnership with Axible Technologies. Sens'it is assembled in France.

In partnership with Texas Instruments..





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