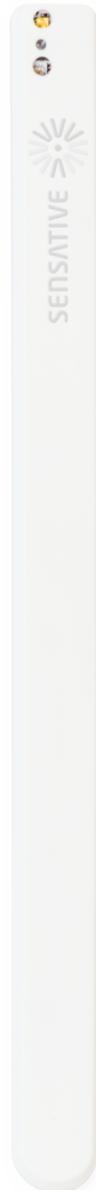


User Manual for Sensative Strips Presence



Description

Sensitive Strips Presence is designed for mounting under the desk of a work space where it measure movements (or absence of movement) using infrared light.

The sensor works by emitting a short IR pulse every Poll Interval (a) seconds. It measures the amount of IR light reflected back. Should the amount change more than Threshold (b) several times within Timeout (c) seconds the sensor will report *Presence = 1*. After that, if no reflection changes are detected within Timeout (c) seconds, it will report *Presence = 0*. Timeout(c) should be more than twenty times longer than the Poll Interval (a) seconds for reliable operation.

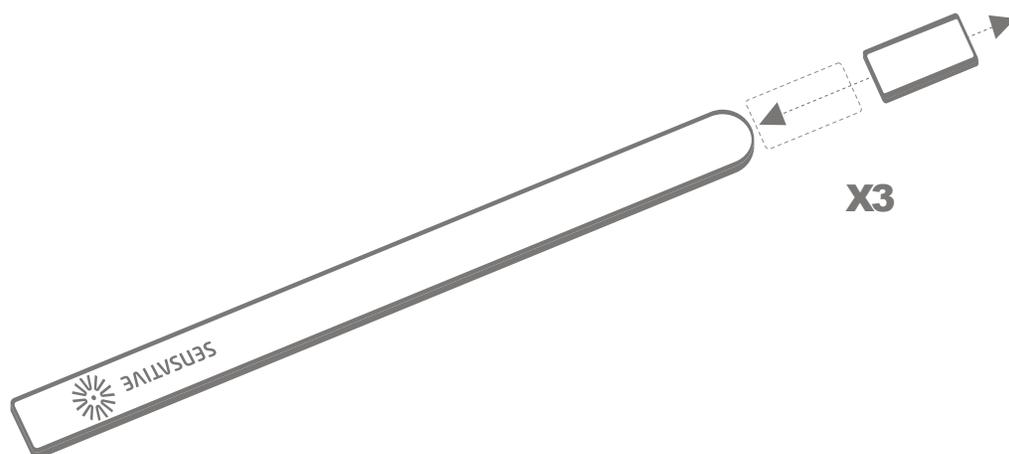
	Name	Unit	Min	Max	Default
a	PRESENCE_POLL_INTERVAL	Seconds	1	3600 (1 hour)	120 (2 Min)
b	PRESENCE_THRESHOLD	Proximity Difference	1	10000	10
c	PRESENCE_TIMEOUT	Seconds	10	60*60*24*31 (31 Days)	3600 (1HR)

Joining Strips to your network

To join Strips Presence to your network, take the square magnet and touch it to the rounded edge 3 times, for 3 LED blinks.

Observe the LED - After a few seconds, one long green LED blink confirms the device has been successfully joined.

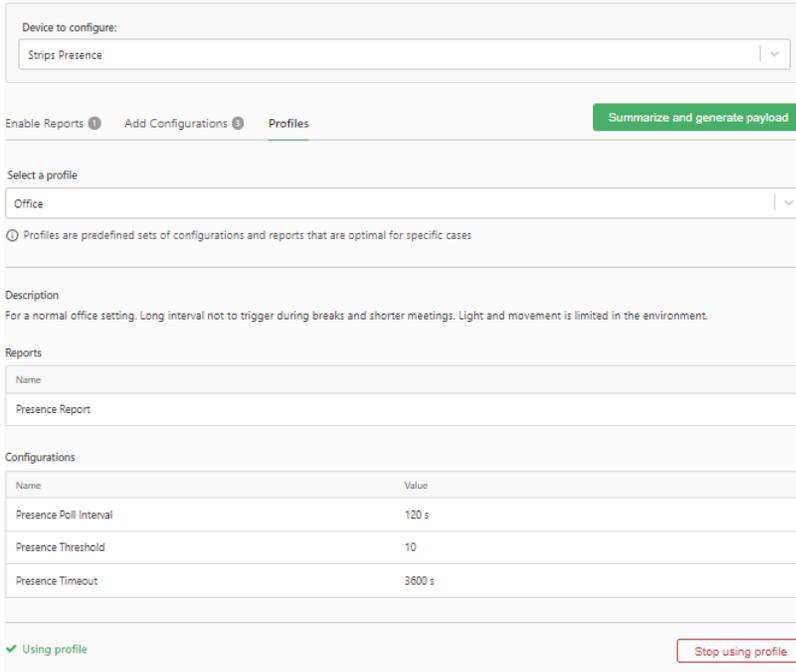
5 red blinks indicates the device has failed to join, contact support.



See video example here : <https://youtu.be/JtJc1lpZKRI>

Using Strips Presence

The sensor comes pre-configured to our "Office" profile, which is configured with these settings.



Device to configure:
Strips Presence

Enable Reports 1 Add Configurations 2 Profiles Summarize and generate payload

Select a profile
Office

Profiles are predefined sets of configurations and reports that are optimal for specific cases

Description
For a normal office setting. Long interval not to trigger during breaks and shorter meetings. Light and movement is limited in the environment.

Reports

Name
Presence Report

Configurations

Name	Value
Presence Poll Interval	120 s
Presence Threshold	10
Presence Timeout	3600 s

Using profile Stop using profile

To edit these values, or choose other profiles for different use cases, visit our down link tool at:

<https://strips-lora-config-app.service.sensative.net/>

Mounting

The recommended placement is affixed (using the included adhesive) to the underside of the desk, square end mounted about 1 inch (25mm) from the edge facing the person to be detected



Depending on the construction of the table it can be mounted in parallel to the edge of the desk, or with the round end pointed to the center of the desk. Take note that its field of vision is not obstructed by the construction of the table



Product	Strips LoRa Presence Sensor
Features	LED indication Active IR presence detection (Up to 50cm)
Regions	Europe (863-870 MHz) North America (902 - 928 MHz)
Range	Up to + 14 dBm output power Rx sensitivity -137 dBm Up to 10 km range (free line of sight)
Dimensions	Sensor: 195*15*2.98 mm Magnet: 12*2 mm Mounting plate: 195*15*3 mm
Operating Conditions	-30 to +60 degree C Indoor usage
Power Supply	Built-in battery (LiMnO2).
Supports	LoRaWAN v1.0.3 OTAA configuration
Device Class	Type A
Detection range	50 cm

User commands

1. Sending an open frame

To send an open frame from the device, generally used in order to accept a down link payload (Type A device), take the square magnet and move it to the rounded edge 3 times, for the green LED blinks.

1 short blink means the frame was sent (success)

5 red means there was no acknowledgment from the gateway

2. Factory reset

To reset the device to the factory settings, move the magnet to the rounded edge 3 times, and on the 3rd pass hold the magnet for 10 seconds. One long green LED blink means reset was successful.

For more information and support visit

<https://sensative.com/sensors/strips-lora-sensors/strips-lora-presence/>

Or e-mail support@sensative.com