OCCUPANCY SENSOR · LORAWAN



Square Presence

Presence and motion in one device. It reacts quickly when someone enters, still knows the room is occupied when they sit still, and measures room climate too.

- Presence and motion · up to 4 m · ±40°
- Temperature · humidity · ambient light
- LoRaWAN · NFC
- 4,000 mAh · 10+ years battery
- Patented presence sensing · IP30

OVERVIEW

Square Presence combines two things ordinary occupancy sensors get wrong. It reacts within moments when someone enters the room, and it keeps reporting occupied while a person sits still (reading, typing, in a meeting) where a motion sensor would time out and switch the lights off. The infrared sensor reaches up to 4 m across a ±40° field of view, enough for a desk cluster or a meeting room, and the same unit measures temperature to ±0.2 °C, humidity and ambient light.

A 58 × 58 × 15 mm body with a 4,000 mAh battery for over ten years, NFC set-up from an Android phone, Wi-Fi geopositioning and built-in data memory. Mount with the integrated adhesive or the optional screw kit.

WHY IT MATTERS

Still counts as present
Detects a person sitting still as well as movement, so the lights stay on over someone reading. And it reacts fast when someone walks in.

Use plus conditions
Temperature, humidity and light from the same device, so utilisation and comfort come as one data set.

Automate from real use
Lighting, ventilation and room booking driven by what actually happens in the room.

Square platform
Long battery life, NFC, Wi-Fi geopositioning and downloadable VSM apps.


Square Presence in use

Specifications

SENSING

Sensors	IR presence/motion, temperature, humidity, ambient light
Detection	Up to 4 m, ±40° field of view
Temperature accuracy	±0.2 °C
Humidity accuracy	±1.8 % RH

POWER AND HOUSING

Battery	Built-in $LiMnO_2$, 4,000 mAh, 10+ years
IP rating	IP30, indoor
Operating temp	–20 to +60 °C
Dimensions	58 × 58 × 15 mm
Weight	55 g
Mounting	Adhesive, or optional screw mounting kit

CONNECTIVITY

Protocol	LoRaWAN 1.0.4, Class A, OTAA
Frequency	EU868 · US915 · AU915 · AS923 · KR920 · IN865
Configuration	NFC (Android) and over the air; alternative VSM apps through the Hugin app or over LoRaWAN
Memory	Built-in data memory
Positioning	2.4 GHz Wi-Fi geopositioning via cloud service

TYPICAL USE

- Occupancy in offices and meeting rooms
- Lighting and ventilation that follow presence
- Desk and room utilisation analytics
- Room booking reconciled against actual use
- Energy optimisation across a building
- Motion detection for security

WHAT EVERY SENSOR SHARES

Years on one battery

Ultra-low-power design, and cloud-side processing where it saves energy. Battery life depends on the sensor and how often it reports: well over ten years for most sensors.

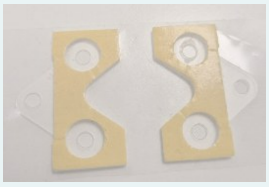
Configured over the air

Every sensor takes its settings over the air, so a change of reporting interval or threshold never means a ladder. Square, Square Xtreme, Puck and Prism can also be set up on site with an Android phone over NFC, and they run downloadable VSM apps: a sensor already on the wall can be given a new task without touching the hardware.

IN THE BOX · MOUNTING



Adhesive back



Square screw mounting kit

In the box

Square Presence, adhesive pre-applied on the back. No tools, no screws, no power supply.

Mounting

Adhesive, or optional screw mounting kit — the square screw mounting kit is sold separately.

MORE INFORMATION

Product page and downloads: sensative.com/sensors/square-presence
Manuals, payload decoders and integration guides: public.yggio.net/docs
Questions and quotes: sales@sensative.com · Buy: shop.sensative.com or a Sensative reseller

Specifications are subject to change without notice in the interest of continuous product improvement.