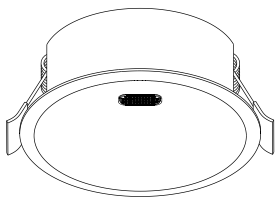


# CASAMBI

## Presence & Light Sensor

Model: PSC01



Presence Sense



Light Sense



Sensitivity Adjustable



Push Button / Indicator

## Function

PSC01 is a Casambi enabled presence / light sensor based on microwave radar detection. It can be used as presence or light sensor in Casambi system.

The sensor is designed for ceiling or wall installation with a 75mm diameter hole, it needs to be powered by AC power. With high accurate microwave radar detection method, it can detect slight human movement even like breathing. It also works as a light sensor and reports illuminance value to Casambi system.

The presence detection sensitivity, indicator and push button function can be adjusted from Casambi app. The push button is integrated with the indicator and can work as auxiliary control for Casambi system.

## Installation

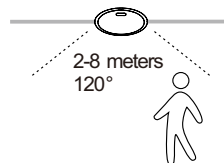


Fig.1 Detection range

### 1. Power Supply

The sensor needs to be powered by AC power, the voltage range can be 100V to 240V. Please open the cable cap on the top of sensor and connect cable to connector.

### 2. Presence detection range

The sensor can detect human movement in a cone shape within 2 to 8 meters distance and 120-degree width (Fig.1). The detection sensitivity is adjustable with 3 levels from Casambi App.

### 3. Adjust presence detection sensitivity

The presence detection sensitivity can be selected from low, middle and high level from the 'PARAMETER' section of the sensor setting page on Casambi app. (Fig.2-3). The detection range is about 2 meters for Low, 4-5 meters for Middle and 6-8 meters for High.

### 4. Light sensing

The sensor updates illuminance data every second while illuminance is stable. When illuminance varies in a big range in short time, the light sensor will track the illuminance and only update the value when it's stable.

### 5. Indicator

At factory default mode, the indicator is OFF. The indicator can be turned on from the 'PARAMETER' section of the sensor setting (Fig.2-4). The indicator will flash briefly while presence detected when set to ON.

### 6. Push button

The indicator cap can also work as a push button. User can define the push button function on Casambi app to control luminaire, group or scene.

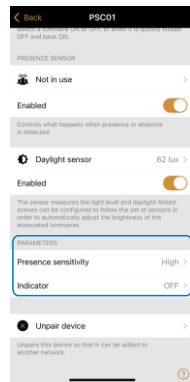


Fig.2

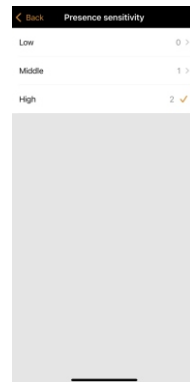


Fig.3

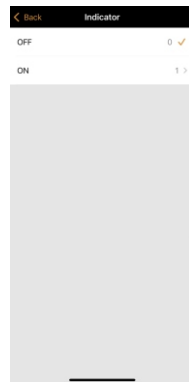


Fig.4

## ■ Specification

Power supply	AC 100-240V
Presence detection method	Microwave radar
Power consumption	< 1 watt
Frequency band	24GHz for radar, 2.4GHz for communication
Wireless protocol	Casambi protocol
Working temperature	-20-55 °C
Installation	Ø75mm hole with 37mm depth