PRODUCT DATASHEET

TECHNICAL DOCUMENTATION

HUMAN-PRESENCE RADAR MODULE

PS-60W-01

People Counting Radar — Wall Mount, WiFi

Document No.	PS-TDS-60W-01	**Version**	V1.0
Model	PS-60W-01	**Issue Date**	2026-11-08

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Document Information

Document title	presencesensor.com Product Datasheet	**Model**	PS-60W-01
Series	Human Presence Detection (presence)	**Document No.**	PS-TDS-60W-01
Version	V1.0	**Issue date**	2026-11-08
Prepared by	PresenceSensor Engineering Team	**Reviewed by**	Product Department
Classification	Public		

Table A Document information

Contents

1 Product Overview

2 Key Features

3 Applications

4 Technical Specifications

5 Pin Definition

6 Dimensions and Installation

7 Communication and Configuration

8 Model Selection

9 Document Downloads

10 Ordering Information and Support

Appendix A Revision History

1 Product Overview

60 GHz wall-mounted radar that outputs trajectories, real-time people counts and entry/exit statistics for a 4 m × 4 m area. It connects over WiFi to an MQTT server, so the counting data lands in the building platform rather than in the sensor.

- Model: PS-60W-01
- Product: People Counting Radar — Wall Mount, WiFi
- Series: Human Presence Detection (presence)
- Frequency band: 60 GHz

2 Key Features

- 60 GHz radar with trajectory and real-time people counting
- 4 m × 4 m effective counting area
- Entry and exit statistics, presence and motion state
- Installation height 1.6–2.4 m, wall mounted
- WiFi link to an MQTT server

Features are typical for this series. Refer to the latest datasheet for model-specific values.

3 Applications

Meeting-room and workplace occupancy counts, entrance counting, and space-utilisation reporting.

4 Technical Specifications

Frequency band	60 GHz	**Modulation**	FMCW
Supply voltage	USB 5 V / 1 A (Type-C)	**Operating current**	—
Average power	—	**Detection range**	—
Field of view	—	**Range resolution**	—
Interface	WiFi + MQTT (requires an MQTT server)	**Output**	—
Operating temp.	−10 to +60 °C	**Storage temp.**	—
Dimensions	—	**Antenna**	—

Certification	—	**Remarks**	Requires an MQTT server. This is a counting device, not a presence sensor for lighting control.

Table 1 Technical specifications. Subject to the latest datasheet without prior notice.

5 Wiring Terminals

The module uses a 5-pin header/socket interface defined as follows:

Pin	Name	Type	Description
1	USB-C	Power	USB 5 V / 1 A supply
2	—	—	—
3	—	—	—
4	—	—	—
5	—	—	—

Table 2 Pin definition. Refer to the datasheet of the specific model.

6 Dimensions and Installation

6.1 Dimensions

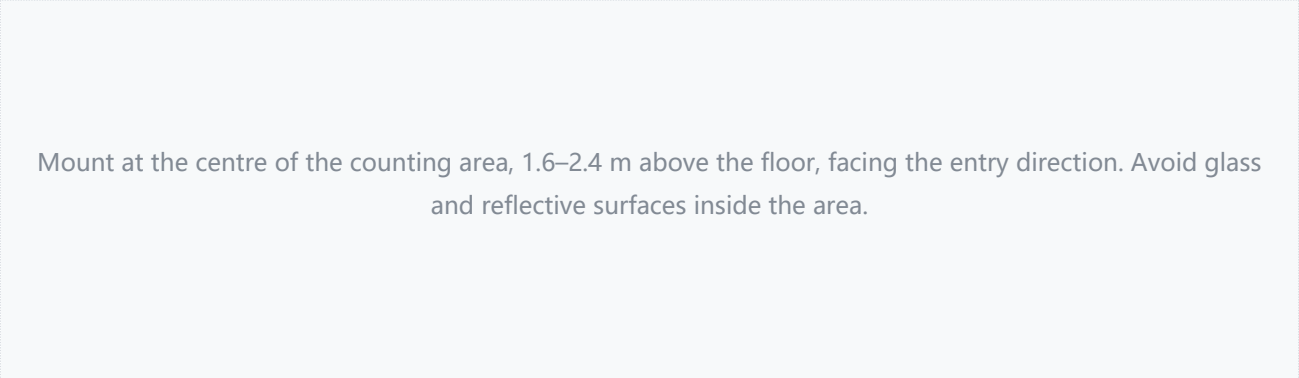
Outline dimensions per the manufacturer drawing (unit: mm).



Product illustration

6.2 Installation

Mount at the centre of the counting area, 1.6–2.4 m above the floor, facing the entry direction. Avoid glass and reflective surfaces inside the area.



Installation

Refer to the Installation Guide of the specific model for the relationship between mounting height, tilt angle and detection coverage.

7 Communication and Configuration

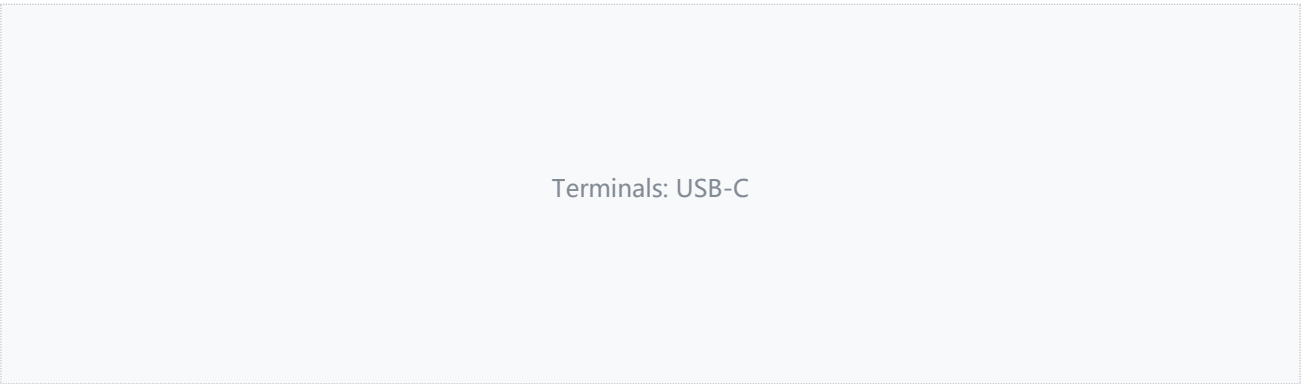
7.1 Communication Protocol

Counting data is published to the customer MQTT server; the device requires that server to operate.

7.2 Configuration Tool

Configuration is done through the platform the device is paired with.

7.3 Typical Application Circuit



Wiring terminals

8 Model Selection

The series is organized by frequency band and sensing function. Select a model based on detection range, mounting method and interface.

Model	Band	Series	Typical Application
PS-60W-01	60G	Human Presence Detection	Indoor presence detection, smart lighting, building energy saving, security automation, elderly care
PS-24C-01	24G	Human Presence Detection	Indoor presence detection, smart lighting, building energy saving, security automation, elderly care
PS-24C-02	24G	Human Presence Detection	Indoor presence detection, smart lighting, building energy saving, security automation, elderly care
PS-24C-03	24G	Human Presence Detection	Indoor presence detection, smart lighting, building energy saving, security automation, elderly care

Table 3 Model selection. See the product center on the website for the complete model list.

9 Document Downloads

The following documents are available for this model on its product page at {SITE_BRAND}.

Category	File	Version	Description
Development	—	—	Datasheet / user manual / protocol
Development	—	—	Schematics / footprint / 3D model
Application	—	—	Configuration tool
Utility	—	—	Serial driver / terminal

Table 4 Document list. File names and versions follow the download page.

10 Ordering Information and Support

Please specify the model, quantity and interface when ordering. For samples, quotations or technical support:

- Website: presencesensor.com

- Products: presencesensor.com/products
- Support: sales@presencesensor.com
- Sales: sales@presencesensor.com

Appendix A Revision History

Version	Date	Description	Prepared / Reviewed
V1.0	2026-11-08	Initial release	PresenceSensor Engineering Team
—	—	—	PresenceSensor Engineering Team
—	—	—	PresenceSensor Engineering Team

Table 5 Revision history. Update the version and date for every revision.