

Doorway People Counting sensor

Description

The Doorway People Counting Sensor is designed for occupancy utilization analysis and Smart Building applications. Thanks for the TOF sensing technology, It is especially suitable for places where high privacy is needed.

The Doorway People Counting Sensor is specifically designed for ease of use. It monitors the number of people getting in and out of a specific area. It is an essential element for flow count and occupancy analysis and real time status report.

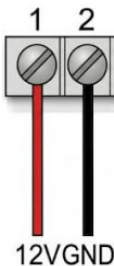
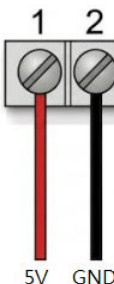
The Doorway People Counting Sensor comes handy with different communication options. The sensor adopts LoRa Radio Frequency technology, complying with LoRaWAN protocol or Modbus protocol. The option makes the sensor fit into all kinds of applications.



Device Specifications

	LoRaWan Version	Relay version	Modbus version
Dimension	106 x 42 x 35 mm (without ear)		
Max Object Speed	8 km/hr		
Feature	Person height detection		
Power	DC 12V	DC 5V	
Mounting	Ceiling / Wall (no height detection if wall-mount)		
Counting Direction	Bi-directional		
Communication Options	1.0.2, AS923, +20dBm Tx power, -138dBm sensitivity	count in / count out	Modbus
Certification	FCC, HKCA1078 (LoRaWan)		

Connection Diagram

LoRaWan Version	Relay version	Modbus version
		



Installation

Please read the precautions before installation:

- Turn on the device before installation
- Installation can be done only by the professional construction personnel or authorized engineering representative
- Please use the professionally qualified installation tools to guarantee the safety of the construction personnel
- Installation position must be far away from the fire source, strong electric field, magnetic field etc., otherwise damage will be resulted
- Installation position shall avoid direct sunlight
- ChinoINT reserves the interpretation of installation
- No accessories provided.

This product is designed to fit ceiling mount and wall mount. Place the bracket on the desired location and mark it carefully. Use a professionally qualified electric drill to make punch holes. Place the plastic covers into the holes. Screw the bracket onto the wall / ceiling.

The product is designed to be light weight and be used with adhesive tape. It can be taped on wall.

In order to use adhesive tape, please follow the steps below:

- Use a dry towel to clean up on the surface to install
- Make the 3M tape adhere to the device bracket
- Press several times to make sure it gets fixed

No bracket is needed. No accessories provided for installation.

Ordering Information

Part Number	Protocol
AECIHWPC200	LoRaWan AS923
AECIHWPCM001	Relay version
AECIHWPCMB01	Modbus version

Technology & Reference

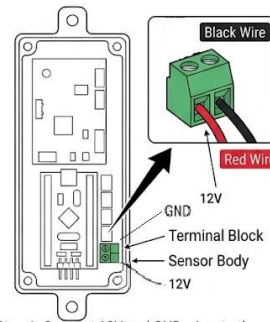
The TOF (Time-of-Flight) technology offers high level of accuracy which outperform other technologies. ChinoINT has long been producing sensors with TOF technology for high accuracy distance measurement. ChinoINT designed sensors have been trusted by landlords and facility management of high end buildings who require quality as well as accuracy.

The people counter is built based on AECIHSNE2xx. This is an HKCA and FCC certified parts which means safety and ready for deployment.

ChinoINT designed TOF sensors have been deployed at airport in Hong Kong.

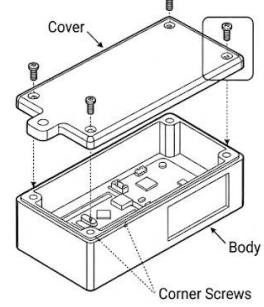


1. POWER CONNECTION (12V / GND)



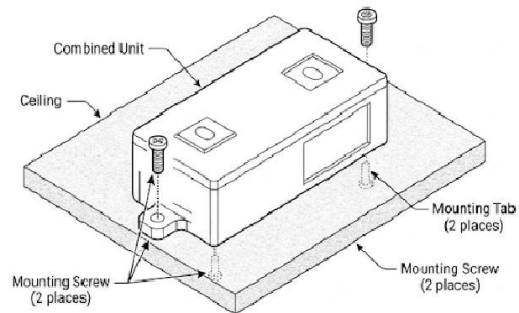
Step 1: Connect 12V and GND wires to the specified ports in the terminal block. Refer to the magnified view for correct polarity.

2. SECURING THE COVER



Step 2: Place the Cover onto the Body. Secure using the 4 corner screws (provided).

3. CEILING MOUNTING



Step 3: Align the combined unit on the ceiling. Secure the entire sensor using two screws (provided) through the side mounting tabs.



Warning

Assumes no liability for any damage resulting from the use of this product. CHINOTECH INTERNATIONAL LIMITED reserves the right to change this data sheet at any time without notice. The information furnished by ChinoINT is believed to be accurate and reliable. However, no responsibility is assumed by ChinoINT for its use, not for any infringements of patents or other rights of third parties resulting from its use.

Product Warranty and Customer Support

ChinoINT warrants all products free from defects in material and workmanship for a period of one year from the date of shipping. During the warranty period, we will, at our position, either repair or replace any product that proves to be defective. To report any defect, please inquiry sales@chinoint.com

Unauthorized opening and improper repairs on the device may result in substantial damage to equipment or endanger the user. The product described in this documentation may be operated only by personnel qualified. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products. Always disconnect the power plug before you open the device.

Please have the model, serial number and a detailed problem description available when you call. If the problem concerns a particular reading, please have all meter readings available.

This warranty does not apply to defects resulting from unauthorized modification, misuse. If you install or exchange system expansion and damage your device, the warranty becomes void.

Product Warranty and Customer Support

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

