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PRIMERO
Presence Sensor
PZPS-01
User Manual
ZigBee 3.0

Specifications

The Type-C input power supply: 5V / 1A
 Battery: AA 1.5V * 2 (replaceable)
 Detection angle: 120°
 Detection distance: 6m
 Probe sensitivity: 0-7 adjustable (default 2)
 Radar frequency: 24GHz~24.25GHz
 Rotate angle: 50° vertical; 15° horizontal
 Wireless distance: 45m
 Wireless standard: Zigbee IEEE 802.15.4
 Operating temperature: 0°C - 50°C (32°F-122°F)
 Working humidity: 1% - 85% RH (non-condensation)
 Product size: 89mm X 86mm X 58mm

Product Configuration

Radar detection surface
Indicator light
Rotation angle: 50° vertical; 15° horizontal
Battery slot
Hanging hole
Type-C power supply interface
Reset button

Installation and Use

1. Installation Method

- Turn on the power supply and add the device according to the instruction manual;
- Leave the self-tapping screw into the mounting wall for 1-3mm according to the picture shown;
- Point the wall hole to the screw and hang them.

2. Installation Diagram
 Ceiling installation: 7m range, 1.5m height.
 Hanging wall installation: 6m range, 1.5m height.

3. Caution and Parameter Setting Suggestions

(1) Note
Installation environment requirements
 The product must be installed in a suitable environment. If used in the following conditions, the test results may be affected:

- The presence of continuously moving non-human objects in the sensing area, such as animals, continuously swinging curtains, green plants facing the air outlet, etc.
- A large area of strong reflectors in the sensing area, which can cause interference to the radar.
- When installing on the wall, consider the presence of air conditioners and electric fans on the room's ceiling, ensuring that the sensor is not less than 1.5 meters from the ground.

Installation Note

- Ensure that the radar is facing the area to be detected, and that the surrounding area is open without any shelter.
- Ensure that the sensor's installation position is firm and stable, as the shaking of the radar itself can affect the detection effect.

• Make sure there is no movement or vibration behind the radar. Due to the penetration of radar waves, moving objects behind the radar may be detected.

(2) Suggestions for Parameter Settings:

- Set a sensitivity of less than 2 during sleep, and the presence holding time should be greater than 300 seconds.
- In quiet environments with minimal interference (such as study rooms, conference rooms, and other scenes), it is recommended to set the sensitivity to 2 or above.
- In large interference environments (such as corridors, living rooms, and other scenes), it is recommended to set the sensitivity to 4 or above.
- Please adjust the specific value according to the specific environment.

4. Battery Replacement

Note: The sensor is primarily designed for USB power supply, with the battery serving as a short-term backup.

- Remove the bottom plate in the direction indicated by the arrow.
- Place the battery into the battery slot, paying attention to distinguish between the positive and negative poles.
- Cover the bottom plate.

LED State

Device Status	LED State
Pairing mode	The indicator light flashes 2 times in 1 second
Reset	Long press the reset button for 6 seconds

Get Started

1. Download APP

Android system: Download the "PRIMERO" APP at Google Play;
 iOS system: Download the "PRIMERO" APP from the Apple Store.

2. Register and Login

- Launch the "PRIMERO" app.
- To register, enter your email address, create a password, then login to the app.
- Login if you have an account already.

3. Add Devices

3-1. Add PRIMERO Gateway
 To add the PRIMERO gateway, please follow the instructions in the gateway manual.

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3-2. Add Sub-devices

Please ensure the device is in pairing mode before adding. If it's not in pairing mode, long-press the reset button for 6 seconds until the device light flashes, indicating it has entered pairing mode.

Functions and Settings

App Main Interface

Movement was detected No person was detected

1. History

2. Linkage Setting

For example: human presence detected someone, linkage to turn on the light switch

3. Parameter Setting

① Presence time
 Settable range 3-600 seconds; after detecting unattended, report unattended status after the set time

② Motion far detection
 Settable range 150 to 600 cm; out of the trigger setting range, will not be reported

③ Motion detection sensitivity
 Settable range 0 to 7; 0 is the most sensitive, 7 is the least sensitive

④ Motionless detection sensitivity
 Settable range 0 to 7; 0 is the most sensitive, 7 is the least sensitive

⑤ Battery level
 Default display 100% when USB powered

Other Function

1. Device Sharing

2. Notification Setting

Enable push notifications for all devices in the app, or turn off push notifications. Note that turning off push notifications will not affect message recording for all devices in the app.

3. Clear Record

Delete the device through the APP to clear the history records.

Due to the app update, the above interface is for reference only