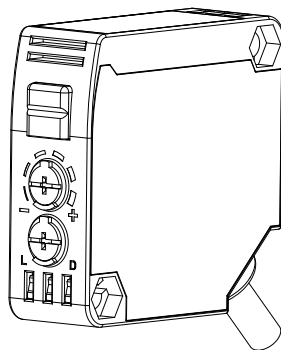


Yealink YPS20 Quick Start Guide



English | Deutsch | Français | Español
Quick Start Guide (V1.1)

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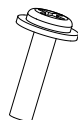
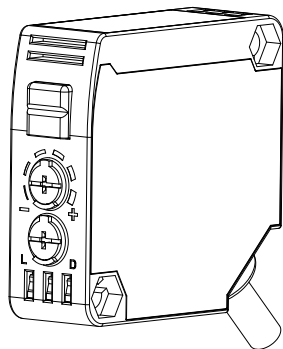
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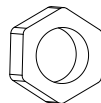
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Package Contents



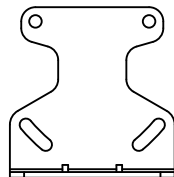
× 2

Screw



× 2

Nut



Holder



× 3

Expansion Nut



× 3

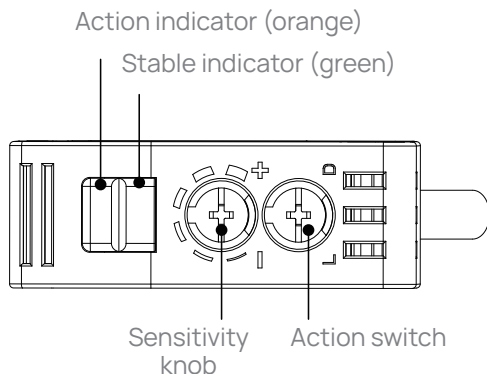
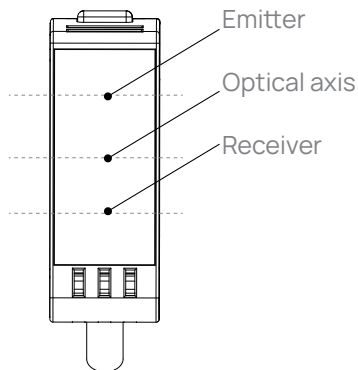
Expansion Screw



Quick Start Guide

YPS20 (with a 10-meter cable)

Hardware Introduction

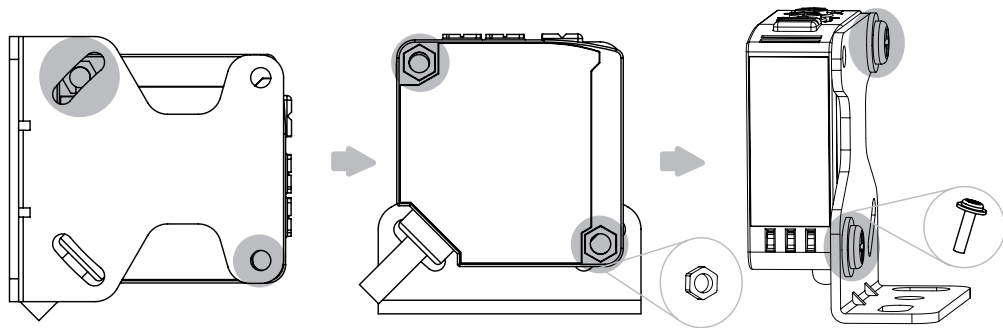


Installation Notes

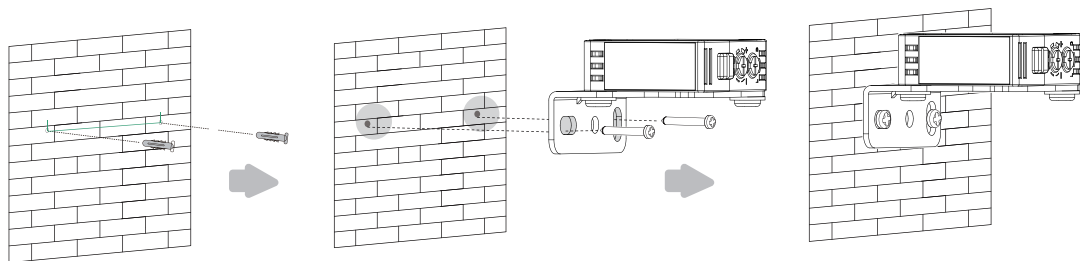
1. The YPS20 will be initially set during production to work normally at a range of 0.1-1.5m.
2. Ensure the YPS20 is placed safely away from the partition, facing it, with the sensor axis perpendicular to the partition plane.
3. When the partition opens, the YPS20 should have an unobstructed view of the room.
4. Ensure there is nothing within 4 m in front of the YPS20 when the partition is open.
5. If there is an obstacle within 4 m, reduce the sensitivity by turning the knob counterclockwise.
6. Keep the YPS20 away from direct sunlight and bright light to avoid interference.
7. A dark partition panel will shorten effective working distance, so a white reflector is required directly opposite the sensor Emitter.

Installation

1. Install the YPS20 on the holder with nuts and screws.



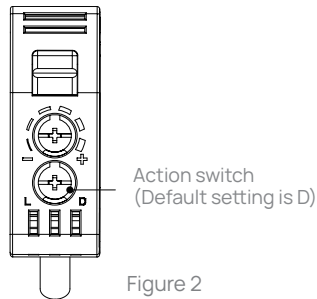
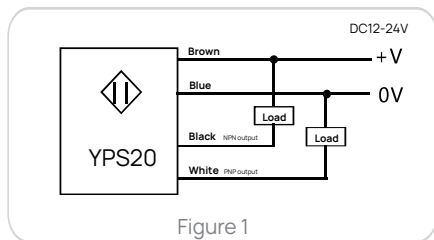
2. Mount the YPS20 on the wall with expansion nuts and screws.



How to use the sensor

YPS20 uses NPN+PNP dual channels output.

1. The connection modes of the two output modes are different (shown in Figure 1 below). The resistance value of the load can be in the range of 500-2K Ω . The signal can be obtained at the load side to judge the current state of the sensor. If the length of the cable is not enough, the AWG26 wire can be used to extend the cable length (add up to 20 meters).



2. State judgment: By measuring the voltage at both ends of the load, you can know the status of the current sensor.

Turn the action switch to the 'L' side:

- When the device is not blocked, the orange indicator is off. In NPN mode, the load outputs a voltage signal; in PNP mode, the load outputs a 0V signal.
- When the device is blocked, the orange indicator light is on. In NPN mode, the load outputs a 0V signal; in PNP mode, the load outputs a voltage signal.

Turn the action switch to the 'D' side:

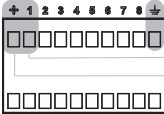
- When the device is not blocked, the orange indicator is on. In NPN mode, the load outputs a 0V signal; in PNP mode,

the load outputs a voltage signal.

- When the device is blocked, the orange indicator light is off. In NPN mode, the load outputs a voltage signal; in PNP mode, the load outputs a 0V signal.

Line Connection

The sensor is connected to the GPIO in interface of AP08 via the Phoenix connector, an accessory included in the AP08. The action switch should turn to the 'D' side. The following is an interface diagram of the YPS20 and AP08.

YPS20	AP08 GPIO in	AP08 GPIO in connector
Brown	 +12VDC	
White	Input 1	
Black	No Connection	
Blue	 GND	

LED Instruction

After deploying the device, test the YPS20 to ensure that it functions properly.

LED Indicator	Introduction
Solid green	The room is divided.
Solid green and solid orange	The room is merged.
The green light is off or flashing	The state is wrong or unstable. Verify that the cables are correctly connected or adjust the sensor position.

Safety Notice

Safety Precautions

The following items are very important in terms of security assurance. Please follow them.

1. When using the corresponding model of AC power supply, do not use it in the high frequency power supply (such as converter).
2. Do not use it in direct sunlight.
3. Do not use it in places where vibration or shock energy is directly transmitted to the sensor.

Precautions for Use

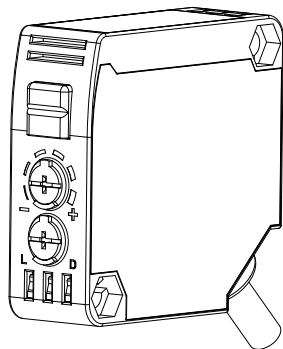
1. Since the output pulse may occur even when the power is cut off, it is recommended to cut off the power supply of the load or the load.
2. Organic solvent cleaning is strictly prohibited.

Commitments

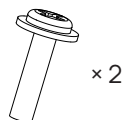
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1. Uses requiring high safety (e.g. for atomic energy control equipment, incineration equipment, aerospace equipment, railway equipment, lifting equipment, entertainment equipment, medical equipment, safety equipment or other USES that may endanger life and personal safety).
2. Highly reliable uses (e.g., gas, water, electricity, etc. Supply system, 24-hour continuous operation system, adjudication system, or other uses involving rights and property) are required.
3. Use under harsh conditions or environment (e.g., outdoor environment), equipment susceptible to chemical pollution, equipment vulnerable to electromagnetic interference, equipment susceptible to vibration, impact, etc.).

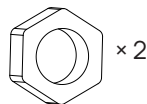
Lieferumfang



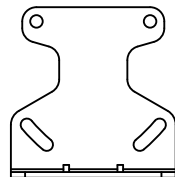
YPS20 (mit einem 10-Meter-Kabel)



Schraube



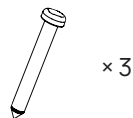
Mutter



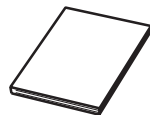
Halterung



Expansionsmutter



Expansionsschraube



Kurzanleitung

About Yealink

Yealink (Stock Code: 300628) is a global-leading provider of Unified Communication & Collaboration Solutions specialized in video conferencing, voice communications, and collaboration, dedicated to helping every person and organization embrace the power of "Easy Collaboration, High Productivity". With best-in-class quality, innovative technology, and user-friendly experiences, Yealink is one of the best providers in more than 140 countries and regions, ranks No.1 in the global market share of IP Phone, and is the Top 5 leader in the video conferencing market (Frost & Sullivan, 2021).

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