Yealink YPS20 Datasheet

YPS20 is a surface-mount partition sensor. This easy-to-install sensor uses an infrared (IR) beam to sense the position of the movable partition.

In space, the signal strength of the infrared beam is adjustable, and the maximum effective sensing distance can reach 1.5m.

The 2 LED lights on the unit provide the status of sensor power, communication status, and partition detection.

Connected to the AP08 GPIO interface, the Room Designer software of Yealink can easily realize the adaptive setting of the divisible meeting room and manage the equipment status of the divisible meeting room.

In terms of deployment, with the included 10-meter cable, the sensor can be arranged in the right position in the room, making partition detection easier.



Key Features and Benefits

- Simple, compact appearance.
- Infrared diffuse reflection technology is used to achieve high precision and low misjudgment.
- Equipped with a 10-meter cable for flexible installation, wiring, and easy deployment.
- Effective working distance of 1.5 m.

- Adjustable sensitivity to adapt to complex environments.
- Clear 2-color LED indicators.
- Use with Yealink AP08 and Yealink Room Controller for adaptive settings.

Specifications

Parameter	Introduction
Sensing	
Sensor Type	Diffuse Reflection
Detection Distance	1.5m
Standard Detection Object	White Drawing Paper: 300×300mm
Return Difference	⩽ 20%
Light Source (wavelength)	Infrared light-emitting diode (850nm)
Response Time	Less than 0.5 ms
Power and Signal	
Supply Voltage	DC 12-24 V, ±10% pulsation (P-P) less than 10e
Control Output	NPN/PNP output, wiring switching
Current Output	100 mA
Consumed output	Less than 25 mA
Controls & Indicators	
Action Mode	Dark ON /Light ON switched by the knob
Switch Mode	270° knob switch
Sensitivity Adjustment	Single knob switch
Indicator	Action indicator (orange), Stable indicator (green)
Protection	
Protection Circuit	Power reverse protection, output short-circuit protection, output reverse protection
Insulation Resistance	More than 20 MΩ (DC500 V megohm meter)
Withstand Voltage	AC 1500 V 50/60 Hz 1 min between the whole charging part and the shell
Withstand Vibration	Up and down 1.5 mm at 10 ~ 55 Hz for every 2 hours in X / Y / Z

	directions
Withstand Impact	300 m/s² for every 10 times in X / Y / Z directions
Environment	
Ambient Illumination	Lighting collecting surface illumination incandescent lamp: below 3000 lx, sunlight: below 10000 lx
Ambient Temperature	Working: -35-55 °C / Storing: each -40~70 °C(no icing, no dew)
Ambient Humidity	Working: 35-85 %RH / Storing: each 35~95 %RH (no dew)
IP Grade	IEC standard IP65
Material	ABS
Lens	PMMA

Outline Dimensional Diagram





