Yoswit Radar Sensor (Embedded) Datasheet

Model: YO203DC (R2W)-24G   Revised: 01-12-2024

Smart Detection and Seamless Control for Enhanced Automation

Yoswit Radar Sensor (Embedded) utilizes a millimeter wave radar sensing module to detect human movement and static presence accurately. It employs synchronized sensing technology to capture Doppler parameters and human physiological data for wireless perception of human status, transmitting signals to activate smart scene linkage. This sensor enables precise range measurement, detecting subtle movements such as breathing and heartbeat. With strong adaptability and excellent penetration capabilities, it updates ambient light intensity in real-time via an illuminance sensor. When integrated with an RCU, adjustments to room settings like lighting, dimming, temperature, and curtains can be made through the Yoswit app for enhanced comfort. Parameters like distance sensitivity and delay can be customized within the app as needed.
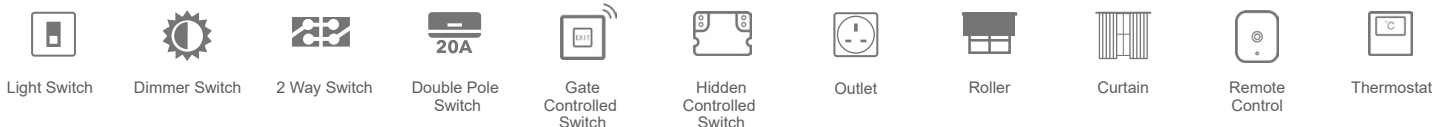
Connection: Without neutral wire

12V
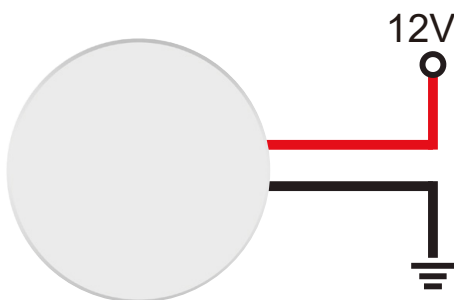
Key Features and Benefits

- Seamlessly integrates with RCU
- Accurate detection
- Synchronized sensing technology
- Precise range measurement
- Adaptability and penetration
- Real-time updates
- Wireless installation
- Customizable parameters
- 2-year limited warranty

Various Customized Products

We offer a comprehensive selection of smart home products that are seamlessly adapted to the usage standards and various socket types in different countries, ensuring a smooth installation process for all users. With extensive compatibility, our products enable you to control a diverse range of household appliances, including lighting, air conditioning, and TV.

| Light Switch | Dimmer Switch | 2 Way Switch | Double Pole Switch | Gate Controlled Switch | Hidden Controlled Switch | Outlet | Roller | Curtain | Remote Control | Thermostat |

Yoswit App

You can download our app to implement the following functions via Bluetooth and WiFi to control the Yoswit switches.

Time Setting	Scene Mode	Device Network	Away Detection	Password Protection	Network Control	Apple Siri	Google Assistant	IFTTT

Depends on Yoswit Bridge Solutions.

Product Specifications

Color Options:

*You can also customize the colors

White
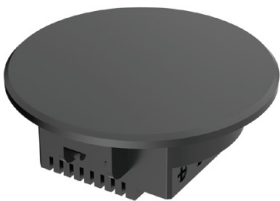
Black
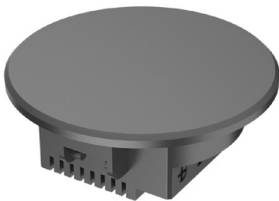
Space Grey

Specifications:

88mm

68mm

34.5mm

4mm
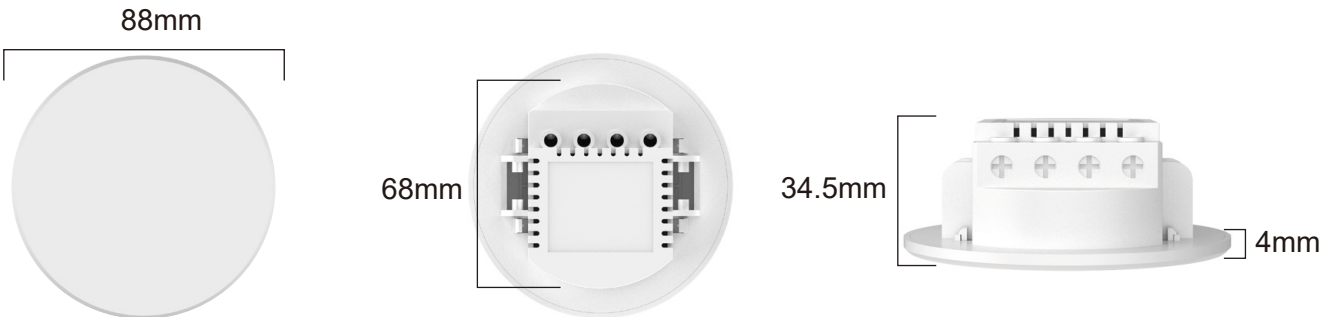
Electrical	
Operation Power	DC12V±10%
Power Consumption	<1W
Output	Dry Contact

Wireless	
Frequency	2.4GHz
Connection	Wifi 2.4G / BLE 4.2
Range	Open Area: >50m / Interior: 3-20m

General Specifications

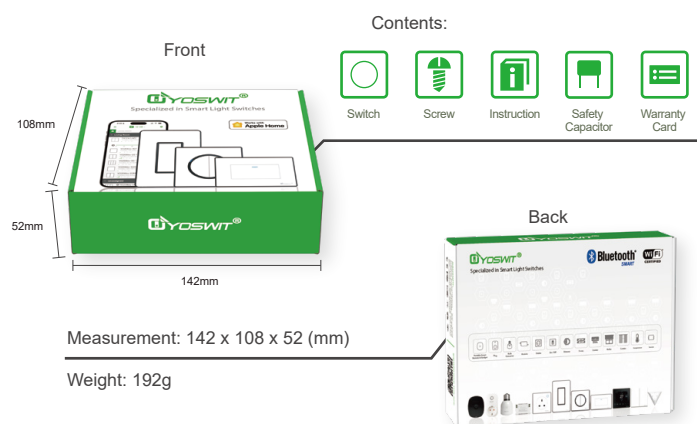|	
Product Name	Yoswit Radar Sensor (Embedded)
Model	YO203DC (R2W)-24G
EAN/UPC	EAN: 0765756497114 / UPC: 765756497114
Revision	V1.0
Compliance	CE, FCC, RoHS
Manufacturer	Designed by Yoswit in Hong Kong, China / Assembled in Guangdong, China
Warranty	Two Year Limited Warranty (*Details available on the Product Warranty and Limitations of this datasheet)

Mechanical

Operating Temperature	-20°C to 85°C
Operating Humidity	0-95% RH, Non-Condensing
Operating Environment	Interior
Operation	APP
Ingress Protection (IP)	20

Radar

Frequency	24GHz
Detection Angle	Horizontal ±60°, Tilt ±60°
Detection Range	≤6m

Product Package

Front

108mm

52mm

142mm

Contents:

Switch Screw Instruction Safety Capacitor Warranty Card

Back

Measurement: 142 x 108 x 52 (mm)

Weight: 192g

Outer Box

ITEM No.:
QTY: PCS
N.W.:   KGS
G.W.:   KGS
MEAS: 58 x 31 x 23.5CM

Quantity Per Box: 40 Pack/Box
Measurement: 58 x 31 x 23.5 (cm)
Weight: 7.54kg

Product Warranty and Limitations

Yoswit brand products guarantee for a period of 2 years warranty from the date of purchase. During the warranty period and in the event that a defective product is identified (non-human factors), Yoswit will provide free maintenance. Damage beyond the warranty period or caused by improper use is not covered within the warranty, Yoswit will not bear any responsibility for repair, and will still provide users with a lifelong maintenance of paid services. If the products need to be repaired or returned to our company, an appropriate fee should be charged based on specific situation to cover the cost of replacement. Regardless of the warranty status, all shipping costs are borne by users.