

# Yoswit Radar Sensor (Triangle) Datasheet

Model: YO205DC (R2W)-24G

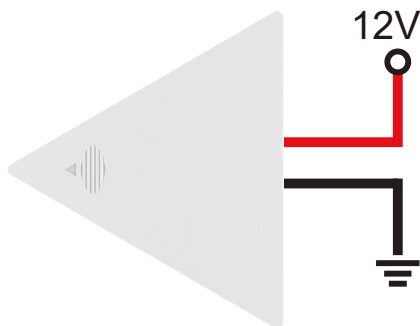
Revised: 01-12-2024



## Smart Detection and Seamless Control for Enhanced Automation

Yoswit Radar Sensor (Triangle) 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



### 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.



### 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

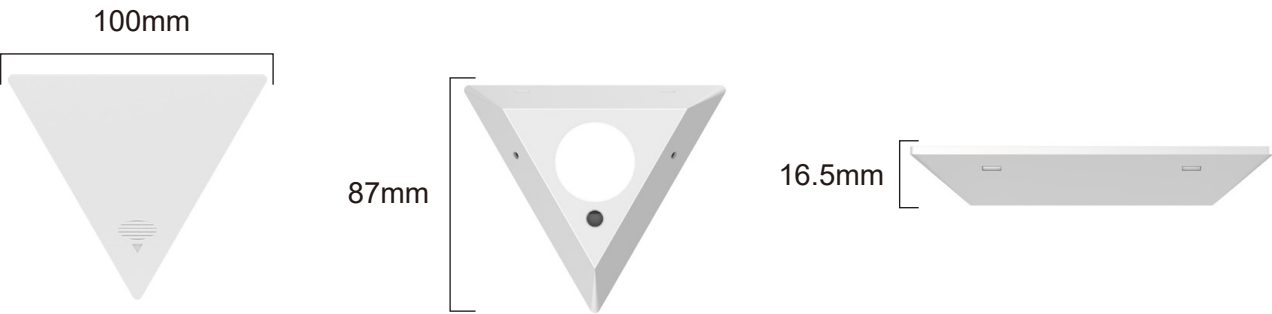


Black



Space Grey

Specifications:



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 (Triangle)
Model	YO205DC (R2W)-24G
EAN/UPC	EAN: 0765756497091 / UPC: 765756497091
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)

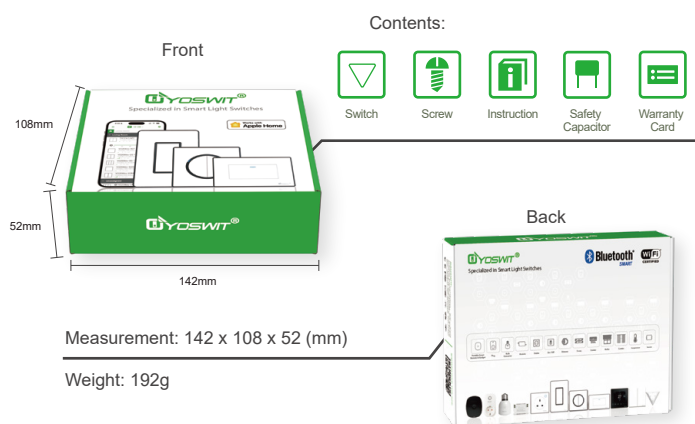
## Mechanical

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 $\pm 60^\circ$ , Tilt $\pm 60^\circ$
Detection Range	$\leq 6m$

## Product Package



## Outer Box



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.

## LINCOGN TECHNOLOGY CO. LIMITED

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