Yoswit Smart Contactless Door Release Button Datasheet

Model: YO304 (R2W) Revised: 01-12-2024

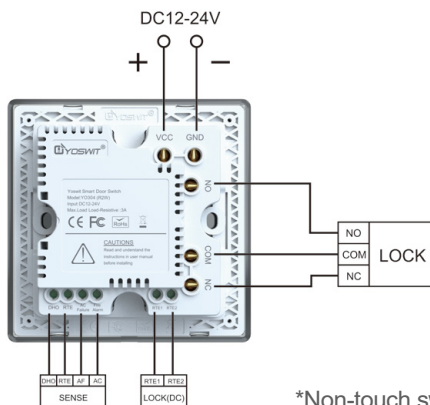## Redefining Door Control with Innovation and Safety

Smart Door Release Button with Break Glass Unit revolutionizes conventional mechanical contact switches by integrating capacitive touch technology, eliminating common interference issues associated with traditional infrared sensors. It offers both touch and touchless switch options, ensuring a safer and more hygienic you experience. With its built-in WiFi serving as a central gateway, it seamlessly connects with other Yoswit products, empowering remote control of door opening and hold time settings through our Yoswit App, simplifying the interaction with your smart devices. Different LED colors signify various door statuses: normal, open, and fire alarm. With integrated fire alarm input, the door lock automatically releases upon fire alarm activation, accompanied by an incessant beep to alert you. By interpreting the blinking frequency of the LED indicator lights, you can distinguish between power failures and fire alarms. Equipped with a mechanical control system, it guarantees door opening during emergencies. It is compatible with a wide range of automatic door systems and manual door access control systems available in the market.

Multiple Alarm Outputs

Multiple wiring alarm outputs always put user safety first.

*Non-touch switch wiring diagram

Key Features and Benefits

- Capacitive touch technology replacing mechanical contact
- Both touch and touchless modes
- Customize door hold time settings
- LED indicator reflecting door status
- Integration of fire Alarm input and response
- Compatibility with multiple door control systems
- Central hub for smart devices
- Bluetooth Mesh & Wifi enhance connectivity and extend range
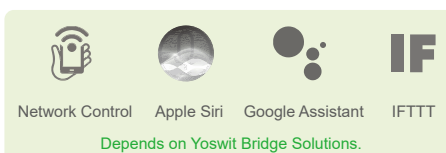- 2-year limited warranty

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.

More Stable and Reliable Capacitive Sensing

Compared with the traditional infrared touchless switches, The capacitive sensing used by Yoswit smart contactless door release button is more stable and reliable.

Comparison between infrared induction and capacitive induction

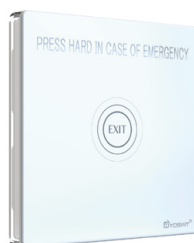| Factor	Infrared sensor	Capacitive Sensing
Heat Treatment	Cannot be installed in vents（Such as air conditioning）	Hot air movement does not trigger
Daylight Eeffect	Cannot be installed on the wall near a window	Will not trigger in sunlight environment
Color Effect	White paper can trigger	Will not be triggered by environment color
Attenuation Effect	Relying on infrared diodes to work, the sensing distance decreases by 0.5-1cm per year	No Attenuation

Product Specifications

Color Options:

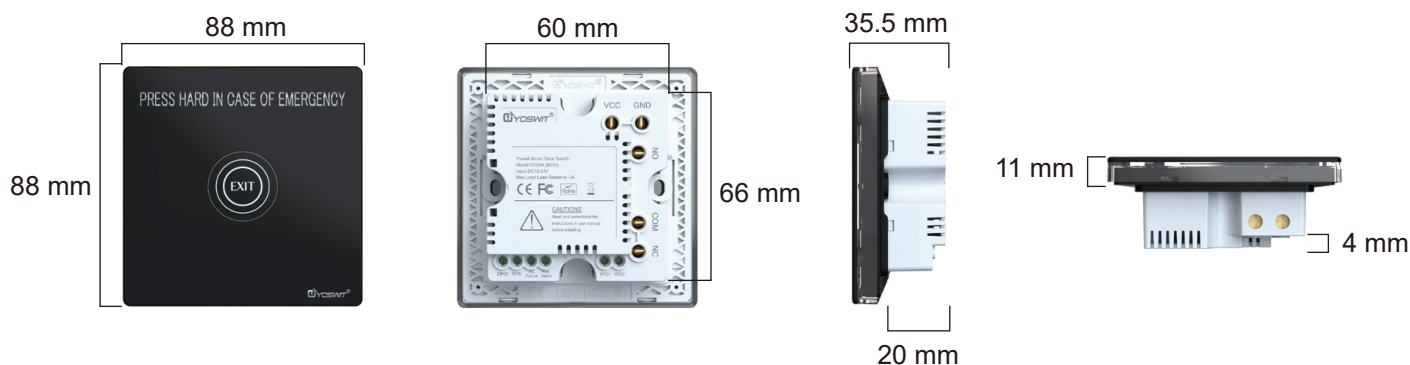*You can also customize the colors

Black

White

Grey

Specifications:

88 mm
88 mm
60 mm
66 mm
35.5 mm
20 mm
11 mm
4 mm

Functional Specifications

Exit Instructions	The color will change from blue to green and there will be a sound at the same time
Manual Door Opening Input	Dry Contact Input（Normally Open State）
Alarm	LED Light Flashes & Buzzer Sounds
Fire Alarm Input	Supports triggering buzzer, alarm output and unlocking. When triggered, the lock opens, the red light flashes and the alarm prompts
Mechanical Switch	Support mechanical door opening
Alarm Output	NC (Normally Closed) contact / COM (Common) contact / NO (Normally Open) contact: 30Vdc, max 1A
Panel Indicator Light	DHO, Fire Alarm, Power Failure
Remote Control	App
Glass Breaking Function	Hit the center of the product panel

General Specifications

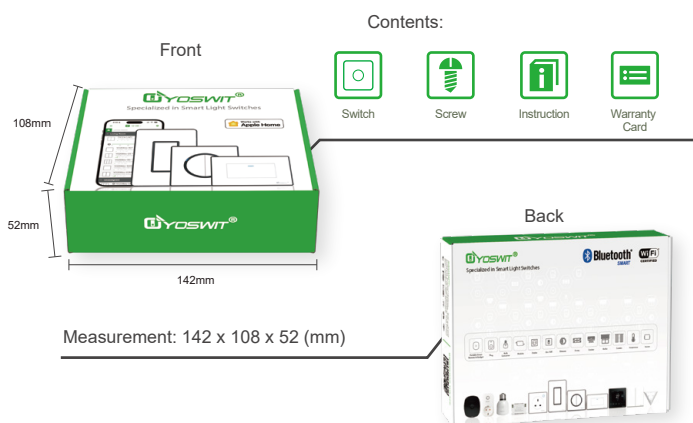|	
Product Name	Yoswit Smart Contactless Door Release Button
Model	YO304 (R2W)
Socket Type	Socket 86
EAN / UPC	EAN: 0765756498227 / UPC: 765756498227
Revision	V7.0
Compliance	CQC, CE, FCC, RoHS
Manufacturer	Designed by Yoswit in Hong Kong, China / Assembled in Guangdong, China
Warranty	2 years, limited (*Details available on the Product Warranty and Limitations of this datasheet)

Machine Standards

Shell Material	Flame Retardant PC
Storage Conditions	-10°C to 40°C
Operating Environment	Interior
Ingress Protection (IP)	20

Machine Standards

Product Compatible	WI-FI, Bluetooth Smart Products
Frequency	2.4GHz
Wireless Output Power	0-5dBm
Connection Valid Range	Open Area: >50m / Interior: 3-20m
Bluetooth Version	V4.2
Wi-Fi Protocol	IEEE 802.11b/g/n

Product Package

Front

108mm

52mm

142mm

Contents:

Switch　Screw　Instruction　Warranty Card

Back

Measurement: 142 x 108 x 52 (mm)

Outer Box

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

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.