

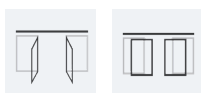


# SWAN

Touchless activation sensor  
for automatic doors



## APPLICATIONS

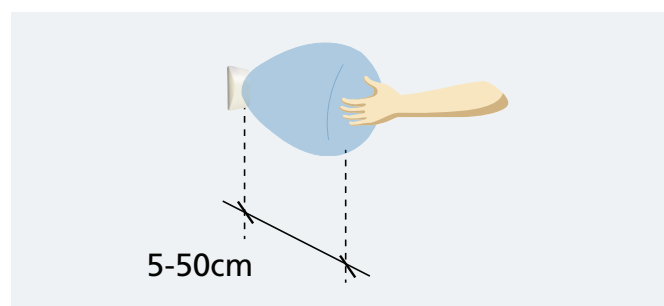


## TECHNOLOGY

Microwave

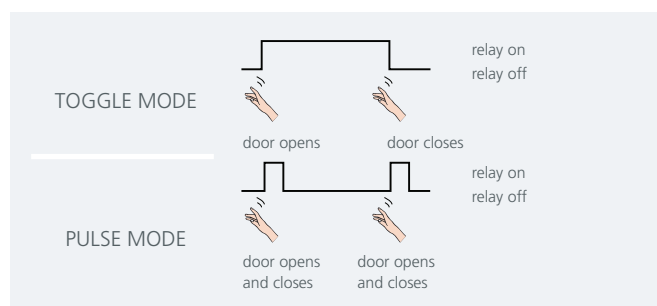
## DESCRIPTION

**SWAN** is microwave touchless activation sensor designed for automatic doors. Ultra-thin (24.4 mm) design, antibacterial material cover ideal for applications in cleanrooms, cold storages, hospital, food, medical and beverage industry. It's an effective and intelligent way to safeguard your facility, your employees and your customers.



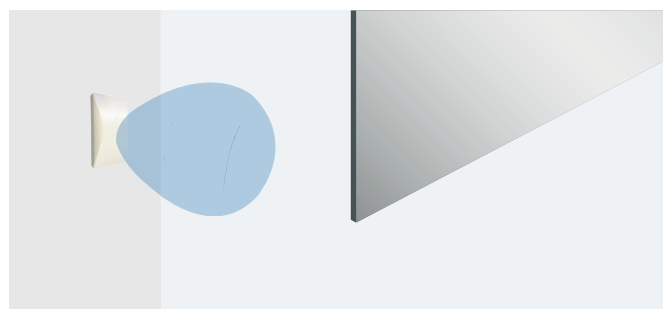
### Flexible short-range detection field

User defined detection range from 5 to 50 cm.



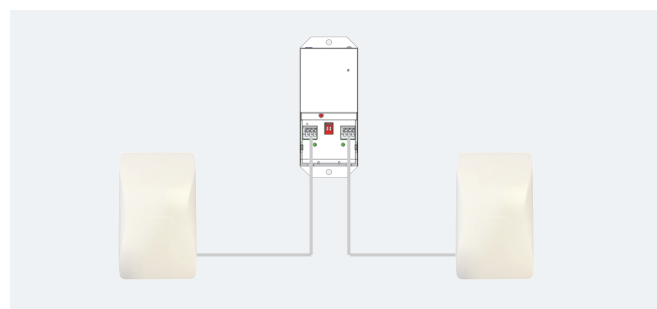
### 2 Output Modes

Pulse mode and toggle mode are available.



### Easy Installation

Surface installation is more suitable for retrofit projects.



### Combination Solutions

One SWAN HUB can be connected to up to 2 sensors and output through two independent relays.

## APPLICATIONS

SWAN reduces the spread of germs with touchless door activation design, it could be installed on the door entrance or exit in hospital, clean room or other public areas.

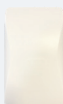


## INSTALLATIONS

- Surface mounting.
- Pulse or toggle mode with DIP-switches.
- Adjustment of detection range by screw driver.

## VERSIONS

- For SWAN SENSOR
  - Optional cable length: 5m or 7.5m.
  - White cover or silk-screened printing cover (icon can be customized as your request).
- For SWAN HUB
  - 110V or 24V optional power supply.



## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Microwave motion sensor
<b>Radiated frequency</b>	24.150 GHz
<b>Radiated power density</b>	$\leq 5\text{mW/cm}^2$
<b>Detection range (hand)</b>	0 to 50 cm if movement towards sensor at 90° (adjustable)
<b>Detection mode</b>	Motion (bidirectional)
<b>Speed of target to create detection</b>	Min. 5Hz or +/- 3cm/s, Max. 200Hz or +/- 1.2m/s
<b>Supply voltage</b>	12 to 24V AC +/- 10%; 12 to 24V DC - 10% / + 30% (Optional) 100V AC +/- 10% (Optional)
<b>Mains frequency</b>	50 to 60 Hz
<b>Power consumption</b>	< 2W ( 1pc SWAN HUB + 2pcs SWAN SENSOR)
<b>Output</b>	Relay with switch-over contact (free of potential)
Max. voltage	48V AC - 60V DC
Max. current	1A (resistive)
Max. switching power	30W (DC) / 48VA (AC)
<b>Output hold time</b>	0.5s (in PULSE mode)
<b>Temperature range</b>	-20°C to +55°C
<b>Degree of protection</b>	SWAN SENSOR - IP54 surface-mounted with front cover and silicone seal
<b>Numbers of Connected Sensor</b>	Max. 2 sets
<b>Material</b>	SWAN HUB - ABS SWAN SENSOR - Antibacterial PC
<b>Colour</b>	White

*Specifications are subject to change without prior notice. All values are measured in specific conditions.*

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