

# No Touch Sensor Switches

Microwave and Infrared Technology Touchless Activation Switches

Rotech's "advanced" motion detection range of touchless sensors and switches are designed for situations where hygienic door or equipment activation is essential. Using microwave or infrared technologies these sensors reduce the spread of germs and improve accessibility in healthcare, retail and commercial settings.

Suitable for access control systems that are widely used in commercial and public areas such as hospitals, pharmaceutical facilities, clean rooms, food processing facilities, restaurants, car parks — anywhere you have a button or switch that needs activating.



## SAFEPASS Clearwave Long Range Door Activation

*Hygienic No Touch Activation — Sleek Water Resistant Switch — Microwave Motion Detection Technology*

**Versatile long range** Detection distance can be adjusted between 5cm and 40cm to suit all applications. Toggle or Pulse mode settings are possible. Three types of faceplate stickers included.

**Sleek water resistant design** Small, light and attractive. Water resistant foam gasket protects the switch from water damage.

**Simple to install** Completely flush mounted for zero wall damage. No back box necessary or time consuming wall construction.



## SAFEPASS J-Wave Slim Profile Door Activation

*Jamb Style — Active Infrared Technology—Hygienic No Touch Switch*

**Slim line design:** Low profile design, this jamb style sensor neatly fits on door frames or guiderails.

**Fast reaction time:** With a detection distance of up to 30cm is able to detect very fast hand movements in front of the switch body.

**Tough and illuminated:** Made from a tough, polycarbonate material with a constantly illuminated LED — the J-Wave can be easily located in dimly lit environments.



## SAFEPASS S-Wave Infrared Mini Activation Switches

*Compact, Waterproof, Adjustable Range and Sensitivity, Low Voltage*

**LED indication:** Red LED light (standby) changes to green (action) when activated by a waving hand. Suitable for anywhere you have a push button or switch that needs activating.

**Waterproof compact mini design:** 3 sizes available (19mm, 22mm or 38mm diameter) suitable for panel mounting and can be mounted just about anywhere — even into light switches.

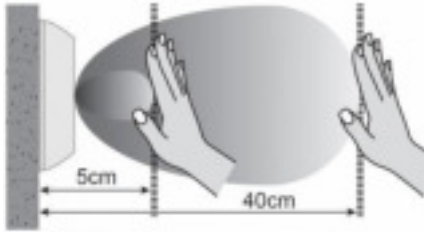
**Many hours of no interference performance:** Designed to prevent interference from other infra-red sources. The switch has a total lifespan of 100,000 hours.

**Self testing and adjustable:** Built-in microcontroller with power-on self testing function. Adjustable proximity distance and door open delay time.

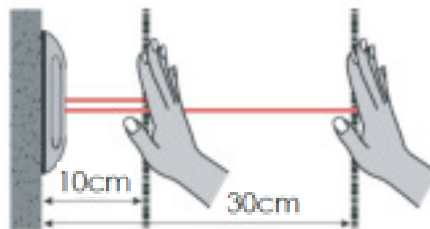
## Technical Specifications

Specification	ClearWave Activation Sensor
Detection Range	5~40cm ±3~5cm
Detection Method	Microwave Motion Detection
Power Supply	12 to 30V DC, 12 to 24V AC
Current Consumption	40mA(DC24V)
IP Rating	IP54
LED Indication	Power On = OFF Detecting = Blue Initialization after power on = Blue Flashing
Relay Output	1C Type Relay (one Switching Contact)
Output Delay Time	1.2sec (PULSE mode)
Operating Modes	Toggle or Pulse
Operating Temperature	20°C to 60°C, (-4°F to 131°F)

Specification	S-Wave Activation Switch		
	S19	S22	S38
Detection Range	4~15cm (±25%)		
Power Supply	DC 12 to 24V (±10%)		
Maximum Current (DC24V)	<30mA	30-35mA	45mA
IP Rating	Water resistant IP65		
LED Indication	Red = Standby   Green = Action		
Relay Output	Trigger state (0.5-20sec) or toggle mode output N.C. & N.O. Output		
Output Delay Time	0.5-20 sec, set 20 sec as toggle mode		
Dimensions	19mm dia	22mm dia	38mm dia
Operating Temperature	-10 °C—70 °C		
Life Time	Relay mechanical: 100,000 Infrared sensor: 100,000 hours		



Specification	J-Wave Activation Sensor
Detection Range	10~30cm ±3~5cm
Detection Method	Active Infrared
Power Supply	12 to 30V DC, 12 to 24V AC
Power Consumption	<1.5W
IP Rating	IP54
Relay Output	Relay Contact (1A/30VDC)
Relay Delay Time	1-2sec (PULSE mode)
Dimensions	40mm(W) x 117mm(H) x 19.5mm(D)
Operating Temperature	20°C to 60°C, (-4°F to 122°F)



Rotech supply all forms of door and gate automation

### Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Industrial Door Openers
- Solar Powered Gate Openers

### Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates
- Rapid Access Gates

Fast | Safe | Secure