AGIL® Sense

# SG8800



## Contactless Switch

The SG8800 is a radar-based contactless switch designed for touch-free appliance activation where high levels of sanitation is a priority. Such environments include hospitals, semiconductor clean rooms, pharmaceutical and biomedical laboratories, lavatories and food processing factories.

The SG8800 is low profile and housed in a standard enclosure for hassle-free installation. Environmentally friendly, it consumes little power and exhibits extremely low radio emissions.
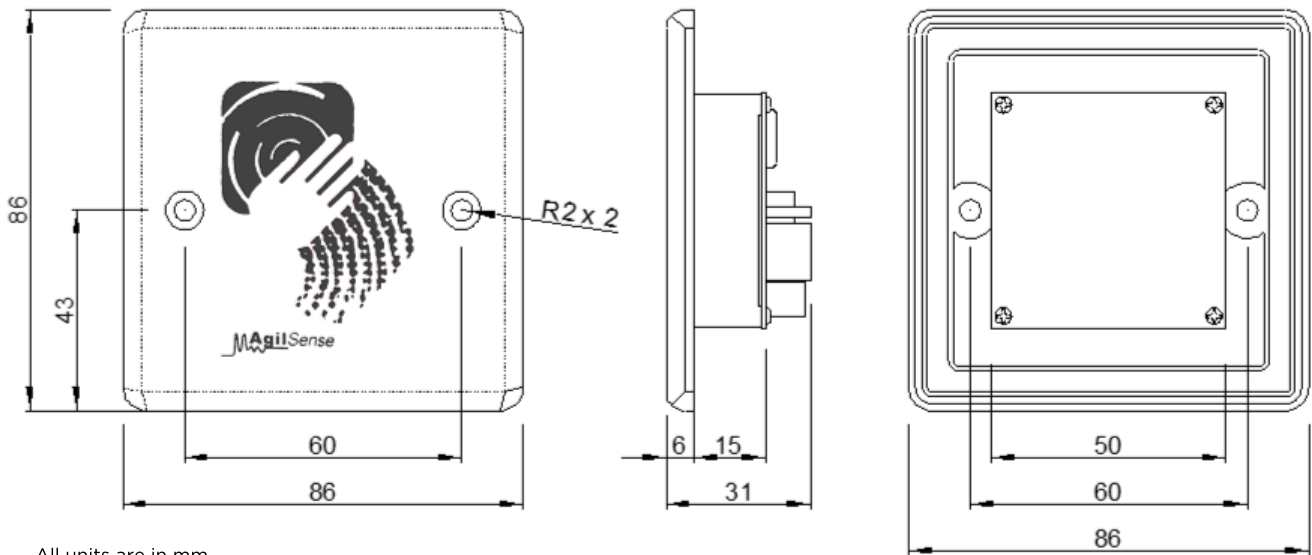
## Key Applications

• Clean rooms

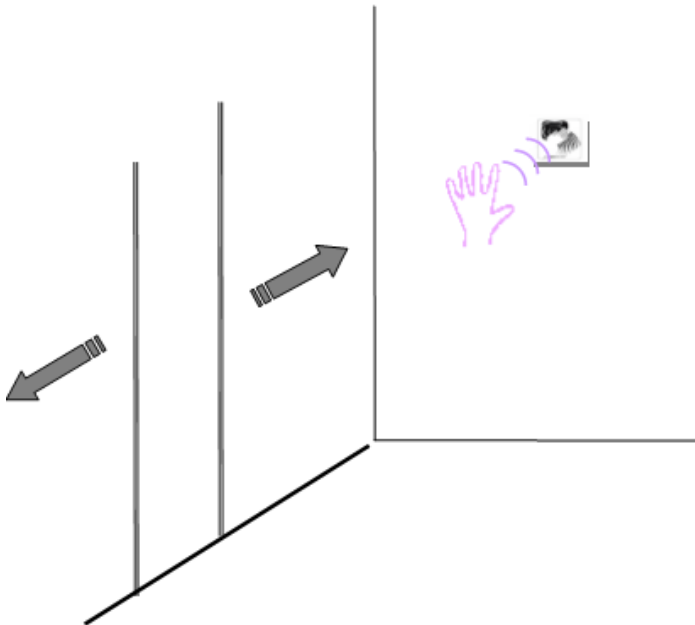• Hospitals and Clinics

• Lavatories

• Food factories

## Key Features

• Low profile

• Easy to install

• Low emissions

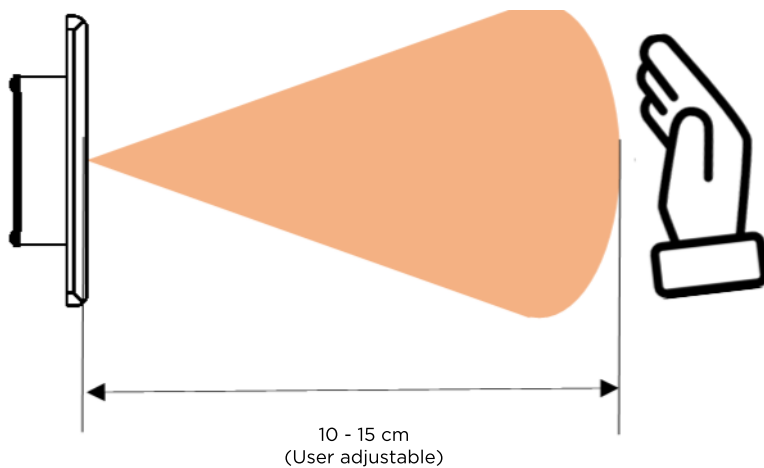• Low power consumption

• Backlit LED for better visibility

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# Outline Diagram



86

43

60

86

R2 x 2

6  15

31

50

60

86

All units are in mm.

# Typical Applications



# Sensing Field



10 - 15 cm
(User adjustable)

# Technical Specifications

| PARAMETER | SPECIFICATION | REMARKS |
|---|---|---|
| **OPERATING CONDITIONS** | | |
| Supply Voltage ($V_{DC}$) | 9 - 24 | |
| Power Consumption (W) | < 0.5 | |
| Max Relay Contact Rating ($V_{AC}/V_{DC}$) | 120 / 24 | |
| Max Relay Output (A) | 0.5 | |
| Operating Temperature (°C) | -20 to 55 | |
| **OPERATION MODES** | | |
| Sense Mode | Activates with motion | User selectable |
| Sense Mode Hold Time (s) | 0.5 - 10 | User adjustable |
| Switch Mode | Toggles with motion | User selectable |
| Switch Mode Mask Time (sec) | 3 - 10 | User selectable |
| **SENSOR PROPERTIES** | | |
| Sensor Technology | Microwave | |
| Operating Frequecy (GHz) | 24.125 typ. | |
| Radiated Power Density ($\mu W/cm^2$) | < 0.2 | At a range of 1 meter |
| Detection Range (cm) | 10 - 50 | User adjustable via trimmer |
| Detection Mode | Motion | |
| **MECHANICAL PROPERTIES** | | |
| Material | Polycarbonate (PC) | |
| Colour | White | |
| Dimensions (mm) | 86 x 86 x 31 | |
| Weight (g) | 50 typ. | |

**Note 1:** Refer to installation notes for handling and installation procedures.
**Note 2:** This product is designed to comply with EN 300 440 and FCC Part 15.245.
**Note 3:** Please contact factory for any customization requests.

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