

# Occupancy Sensor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/O10F60465E56EN.html>

Date: June 2022

Pages: 110

Price: US\$ 2,499.00 (Single User License)

ID: O10F60465E56EN

## Abstracts

The global occupancy sensor market reached a value of US\$ 1.9 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 4.0 Billion by 2027, exhibiting a CAGR of 12.57% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

Occupancy sensors, or vacancy sensors, are devices used for turning equipment on or off depending upon the occupancy of the room. They are indoor detecting mechanisms that sense the presence of individuals in a specific location and alter the temperature, ventilation and lights within the area. Occupancy sensors utilize numerous technologies including ultrasonic, passive infrared and dual technology for their operation. They find broad applicability across commercial, residential and industrial spaces, where they are used for energy efficiency in stairwells, open and closed offices, corridors and warehouses. Occupancy sensors also help in the automation of motor load switching of fans, curtains and air conditioners.

The growing demand for energy-efficient devices, along with the cost-effectiveness of these sensors, is the key factor driving the growth of the market. Occupancy sensors play an essential role in minimizing energy consumption and assist in reducing light pollution created in both indoor and outdoor spaces. Furthermore, the development of smart cities is another major growth-inducing factor. These sensors are utilized with intelligent parking solutions to check the status of each parking space and manage traffic congestion effectively. Additionally, rising awareness of energy-saving systems has enhanced the adoption of these sensors for accurate movement detection and

reliable triggering. For instance, vending machines equipped with passive infrared sensors light up only when a customer is standing or waving in front of the panel. Moreover, technological advancements in micro-phonics, image processing and intelligent occupancy sensors are positively impacting the growth of the market. Other factors creating a positive outlook for the industry include rising disposable incomes and growing urbanization across the globe, coupled with the favorable government initiatives to encourage energy efficiency.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global occupancy sensor market, along with forecasts at the global and regional level from 2022-2027. Our report has categorized the market based on network type, technology, building type, coverage area and application.

#### Breakup by Network Type:

- Wired
- Wireless

#### Breakup by Technology:

- Passive Infrared
- Ultrasonic
- Dual Technology
- Others

#### Breakup by Building Type:

- Residential
- Commercial

#### Breakup by Coverage Area:

- Less Than 89 Degree
- 90 Degree-179 Degree
- 180 Degree-360 Degree

#### Breakup by Application:

Lighting Control  
HVAC  
Security Surveillance

#### Breakup by Region:

North America  
Europe  
Asia Pacific  
Middle East and Africa  
Latin America

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Honeywell International, Eaton Corporation, Schneider Electric, Legrand, Acuity Brands, Leviton Manufacturing, Pammvi Group, General Electric, Koninklijke Philips N.V., Hubbell Building Automation, Texas Instruments, Johnson Controls, Lutron Electronics, etc.

#### Key Questions Answered in This Report:

How has the global occupancy sensor market performed so far and how will it perform in the coming years?

What are the key regional markets in the global occupancy sensor industry?

What has been the impact of COVID-19 on the global occupancy sensor industry?

What is the breakup of the market based on the network type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the building type?

What is the breakup of the market based on the coverage area?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the global occupancy sensor industry?

What are the key driving factors and challenges in the global occupancy sensor industry?

What is the structure of the global occupancy sensor industry and who are the key players?

What is the degree of competition in the global occupancy sensor industry?

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