MEA Occupancy Sensors - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

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Report description:

The MEA Occupancy Sensors Market is expected to register a CAGR of 14.5% during the forecast period.

Key Highlights
- Occupancy sensors indicate the presence or absence of occupants in a space using various technologies such as passive infrared, ultrasonic, and dual-technology. Passive-infrared sensors necessitate a line of sight between the sensor and the space's occupants.
- Further, to reduce energy waste, most energy codes require some method of automatically turning off lights when they are not in use, either on a schedule or based on occupancy. Occupancy sensors are lighting controls that turn off lights in unoccupied areas, lowering energy costs by reducing energy waste. Also, various vendors in the region are introducing Ultrasonic sensors to detect the presence of people by emitting ultrasonic sound waves into the environment and measuring the speed with which they return.
- Also, there is an increasing focus on Dual-technology sensors that use both passive infrared and ultrasonic technologies to detect the presence of occupants and activate the lights only when both technologies detect the presence of occupants. This configuration virtually eliminates the possibility of false-on problems, and requiring either technology to keep the lights on significantly reduces the possibility of false-off problems.
- Occupancy sensors have primarily been used to detect motion rather than the presence or other more essential occupancy features, including count, location, track, and identity. Also, New technology is expanding rapidly to detect higher-value features of occupancy.

MEA Occupancy Sensors Market Trends

Residential is Expected to Witness Significant Growth

- With the introduction of smart building technologies, facility managers now have access to robust tools to access accurate information about space occupancy rather than relying on estimates and approximations and occupancy sensors aiding in collecting data about space usage and optimizing space management decisions in the region.
- Also, switch from a traditional lighting control system to a smart lighting control system, which allows for wireless and even touchless lighting control through occupancy sensing, time scheduling, and voice control. All of this has opened up new opportunities for professional lighting control companies, which provide flexible solutions to homes.
- Further, Photoelectric infrared (PIR) sensors are the current standard for detecting occupancy presence in buildings. Smart thermostats use sensors to control heating and cooling based on occupancy. One significant issue is that these PIR sensors only detect individuals moving.
- Additionally, occupancy sensor and smart outlet reference designs help home automation device makers and developers accelerate time to market while lowering system cost and complexity. Developers can quickly advance from design concept to final product by leveraging these new, turnkey reference designs, including pre-certified wireless technology, open-source hardware design files, industry-standard software stacks, and proven test setups manufacturing methods.

South Africa is Expected to Witness Significant Growth in the Market

- The initiation of technically sophisticated occupancy sensors for various applications fuels security and access systems demand by providing a user-friendly and reliable service. Aside from that, various commercial establishments such as IT companies, enterprises, data centers are implementing access control systems to protect personnel and data breaches, to record employee's entry and exit timings.
- The rising demand for energy-efficient devices is expected to drive the country. Occupancy sensors play a vital role in reducing energy consumption. This is achieved through the sensors, which shut down devices and other equipment based on occupancy. These sensors help reduce light pollution and can be used for indoor and outdoor spaces.
- The demand for passive infrared is expected to continue in the country due to the low cost, demand for energy-efficient devices, and less power requirement. It has a range of applications, such as lighting, spectrometers, gas, and fire detection systems. Some of the significant benefits of passive infrared sensors are accurate movement detection, reliable triggering, and cost-efficiency. Vending machine designers, for instance, are now incorporating PIR sensors into their products so that their displays only light up when someone is standing in front of the unit or maybe waving their hand in front of a panel, which saves on operating costs.
- According to PAFTRAC, the Pan-African Private Sector Trade and Investment Committee, a new study of African CEOs from 46 nations indicated that CEOs in Africa are certain that firms would grow over the next 12-18 months. The majority of respondents are also confident about the industry's economic prospects. Furthermore, 87% of respondents believe that the African Continental Free Commerce Agreement will increase intra-African trade (AfCFTA). This is expected to create growth opportunities for the occupancy sensor market.

MEA Occupancy Sensors Industry Overview

The Middle East and Africa Occupancy Sensors Market is moderately competitive in nature. Product launches, high expense on research and development, partnerships, and acquisitions are the prime growth strategies adopted by the companies in the region to sustain the intense competition.

- July 2021 - Arcline Investment Management, a private equity firm, announced purchasing a majority stake in Dwyer Instruments. The company is a provider in designing and manufacturing sensor and instrumentation solutions for the process automation, HVAC, and building automation markets. The company has 93 active and pending patents and an extensive suite of over 40,000 configurable SKUs, allowing it to service nearly all customer-required applications.
- March 2020 - Signify introduced new Philips IoT sensor packages that gather and deliver data via the Interact Office connected lighting system and environmental monitoring APIs. The sensor bundles can observe occupancy, the total of people in the room, temperature (at the room and desk level), noise levels, daylight levels, relative humidity, and are Bluetooth enabled, allowing for indoor positioning and navigation.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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