

Automatic Door Sensors Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Type (Microwave Sensors, Infrared Sensors, Laser Sensors, and Others) and Application (Commercial, Industrial, Residential, and Others), and Geography

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Abstracts

The automatic door sensor market size is expected to reach US\$ 2.40 billion by 2031 from 1.47 billion in 2023, at an estimated CAGR of 6.3% from 2023 to 2031.

The North America automatic door sensor market report is segmented into the US, Canada, and Mexico. The US, Canada, and Mexico are among the major economies in North America. This region accounts for a significant share of the global automatic door sensor market owing to the government investment in developing advanced building technologies. For instance, in August 2023, the Department of Energy (DoE) released an investment of US\$ 46 million in 29 projects to develop and renovate buildings. The investment is made for electrifying and automating commercial buildings to improve energy efficiency in the region. The automation of commercial buildings involves the installation of automatic door sensors to increase user convenience, efficiency, and energy savings. The growing adoption of automatic door sensors in commercial buildings for enhancing accessibility, functionality, and overall security is fueling the market growth. For instance, according to the Department of Energy (DoE) date of August 2023, Southern Company Services is planning to integrate battery energy storage systems (BESS) and building automation systems (BAS) to support commercial buildings and grid activities. The BAS systems are employed with sensors and lithium-ion batteries that enhance the functionality and efficiency of automotive doors used in commercial buildings and grid activities.

BAS system centralizes control over various building systems such as lighting, HVAC, and security systems and offers greater visibility and control over entrance points. The sensor allows the BAS to monitor foot traffic and adjust opening/closing times depending on occupancy patterns.

The market in North America is anticipated to expand at a significant rate during the forecast period, owing to technological advancements and a rise in demand for autonomous vehicles. This encourages market players to develop advanced doors to support their customers in automatic opening/closing of doors. For instance, in January 2023, Apple Inc. patented new sliding door technology that has adaptive positioning featuring vehicle doors with sensors for detecting obstacles in roads. The vehicle's sliding door technology includes infrared sensors, which easily detect objects in proximity to doors. This further supports drivers in automatically adjusting the opening and closing of doors by ensuring the safety of passengers.

The automatic door sensor market analysis has been carried out by considering the following segments: type and application.

Based on application, the automatic door sensor market share is segmented into commercial, industrial, residential, and others. Automatic door sensors play a crucial role in various commercial applications, offering a multitude of benefits. Automatic doors provide effortless entry and exit for everyone, especially individuals with disabilities, strollers, or carrying heavy objects. In many regions, building codes mandate automatic doors in specific locations to ensure accessibility for people with disabilities. Moreover, hospital automatic doors are a kind of entryway system that utilizes switches or sensors to detect when an individual is approaching and automatically open the doors to allow them to enter the hospital. Thus, automatic door sensors are a versatile and beneficial technology in commercial settings, promoting accessibility, enhancing efficiency, and offering additional advantages such as energy savings and security.

Moreover, factors such as the increase in construction activities and rapid urbanization propel the automatic door sensor market growth. And the automatic door sensor market trends include the growing popularity of smart airports and increasing airport development activities.

Based on type, the automatic door sensor market share is segmented into residential, commercial, industrial, and others. A microwave sensor is an electronic device that detects motion and can be utilized to control entrance systems. The microwave radar

motion sensor has quick, accurate responses and strong anti-interference ability. Its operation is unaffected by height, temperature, humidity, or sunlight. Market players such as Hotron, Qينو Electronics Co., Ltd, and Sanway Technology offer microwave sensors. Sanway Technology offers a universal 24.125 GHz automatic sliding door microwave radar sensor. It is widely used in automatic doors, electric power doors, automatic sliding doors, and glass doors as it is a very stable and reliable door opening sensor, rapid action, and anti-interference.

BEA SA; BBC Bircher AG; Tormax; GEZE GmbH; Hotron Ltd.; MS Sedco; Nabtesco Corporation; Ningbo VEZE Automatic Door Co., Ltd.; Optex Co., Ltd.; and Pepperl+Fuchs Pvt. Ltd. are among the key players profiled in the automatic door sensor market report.

The automatic door sensor market forecast is estimated on the basis of various secondary and primary research findings, such as key company publications, association data, and databases. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Automatic Door Sensor market growth. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the Automatic Door Sensor market.

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