

Smoke Detector Market Report by Product Type (Photoelectric Smoke Detector, Dual Sensor Smoke Detector, Ionization Smoke Detector), Power Source (Hardwired With Battery Backup, Hardwired Without Battery Backup, Battery Powered), End-Use Sector (Oil, Gas and Mining, Residential, Commercial, Transportation and Logistics, Manufacturing, Telecommunication, and Others), and Region 2024-2032

<https://marketpublishers.com/r/SFCAE4D89100EN.html>

Date: July 2024

Pages: 144

Price: US\$ 3,899.00 (Single User License)

ID: SFCAE4D89100EN

Abstracts

The global smoke detector market size reached US\$ 2.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.0 Billion by 2032, exhibiting a growth rate (CAGR) of 7.1% during 2024-2032. The increasing incidences of fire outbreaks in residential areas, rising installation in airports, hospitals, and busses, and the growing adoption in factories and other industrial buildings are some of the major factors propelling the market.

Smoke Detector Market Analysis:

Market Growth and Size: The global smoke detector market is experiencing moderate growth, driven by factors like the increasing awareness about fire safety measures and stringent government regulations mandating the installation of smoke detectors in residential and commercial spaces.

Major Market Drivers: Key drivers include rising concerns about fire accidents, stricter building safety regulations, and increasing investments in infrastructure development worldwide.

Key Market Trends: A notable shift towards smart and connected devices, offering

features like remote monitoring and smartphone alerts, represents some of the major trends.

Geographical Trends: North America dominates the market, driven by stringent regulations and high awareness about fire safety. However, Asia Pacific is emerging as a fast-growing market on account of the increasing installation of smoke detectors in residential and commercial buildings.

Competitive Landscape: The market is characterized by a mix of established companies and innovative startups, with a focus on technological advancements, strategic partnerships, and expanding product portfolios to gain a competitive edge.

Challenges and Opportunities: Challenges include price competition among manufacturers and concerns regarding the reliability of certain detection technologies. Nonetheless, opportunities for integration of emerging technologies like artificial intelligence (AI) and internet of things (IoT) and the growing installation of smoke detectors in industrial setups are projected to overcome these challenges.

Smoke Detector Market Trends/Drivers:

Increase in awareness about fire safety

One of the primary factors driving the demand for smoke detectors is the growing awareness about fire safety. Public campaigns and government regulations have highlighted the importance of early fire detection as a preventative measure. This has led to a heightened sense of urgency among homeowners and businesses to install smoke detectors. Educational programs focusing on fire safety also advocate for the use of smoke detectors to minimize property damage and save lives. Moreover, insurance companies often incentivize the use of such devices by offering reduced premiums, further encouraging their adoption.

Rise in stringent building codes and regulations

Government policies and building codes often mandate the installation of smoke detectors in both residential and commercial structures. These laws are becoming increasingly stringent as awareness about fire safety grows. Failure to comply with these regulations can result in hefty fines and legal consequences, which drives property owners and builders to prioritize the installation of smoke detectors, further fueling market smoke detector market demand. The smoke detector market forecast reveals a heightened demand, driven by increasing regulations, technological advancements, and growing awareness of fire safety measures.

Growing infrastructure development

The rapid pace of urbanization and infrastructure development is another significant driver for the smoke detector market. As cities expand and new buildings rise, the need for effective fire safety measures grows concurrently. High-rise apartments, commercial spaces, and public buildings, due to their complex structures, are particularly vulnerable to fire-related incidents. Installing smoke detectors in these settings is increasingly seen as a necessity rather than an option, leading to an uptick in demand. Moreover, the migration of people to urban areas necessitates more housing and commercial spaces, indirectly boosting the need for smoke detectors.

Smoke Detector Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global smoke detector market report, along with forecasts at the global, regional and country levels from 2024-2032. Our report has categorized the market based on product type, power source and end-use sector.

Breakup by Product Type:

- Photoelectric Smoke Detector
- Dual Sensor Smoke Detector
- Ionization Smoke Detector

Photoelectric smoke detector dominates the market

The report has provided a detailed breakup and analysis of the market based on the product type. This includes photoelectric smoke detector, dual sensor smoke detector, and ionization smoke detectors. According to the report, photoelectric smoke detector represented the largest segment. It relies on a light sensor and a light beam to detect smoke. It is especially effective at detecting smoldering fires, such as those caused by unattended cigarettes or electrical malfunctions. It is less likely to trigger false alarms from cooking or high humidity.

A dual sensor smoke detector combines ionization and photoelectric technologies. This makes it effective in detecting both flaming fires and smoldering fires, which provides comprehensive coverage. It is considered versatile and generally recommended for broader protection.

An ionization smoke detector uses a small amount of radioactive material to ionize the air in a sensing chamber. It is highly sensitive to flaming fires like those caused by

paper or grease. It is also more prone to false alarms from cooking fumes or steam.

Breakup by Power Source:

- Hardwired with Battery Backup
- Hardwired without Battery Backup
- Battery Powered

Battery powered holds the largest share in the market

A detailed breakup and analysis of the market based on the power source has also been provided in the report. This includes hardwired with battery backup, hardwired without battery backup, and battery powered. According to the report, battery powered smoke detectors accounted for the largest market share. They are fire safety devices that operate on batteries to detect the presence of smoke, a common byproduct of fires. They are easy to install and do not require hardwiring into your electrical system, which makes them particularly useful for older homes or places wherein electrical wiring is not easily accessible.

Hardwired with battery backup smoke detector is wired directly into electrical system of home. It also includes a battery backup, which is used during electrical power fails. This dual-source approach provides an added layer of reliability and is often recommended for optimal safety.

Hardwired without battery backup smoke detectors are also connected to electrical system of the home. They do not have a battery backup and rely solely on the electrical supply, which makes them vulnerable during power outages.

Breakup by End-Use Sector:

- Oil, Gas & Mining
- Residential
- Commercial
- Transportation & Logistics
- Manufacturing
- Telecommunication
- Others

Commercial dominates the market

The report has provided a detailed breakup and analysis of the market based on the end-use sector. This includes oil, gas and mining, residential, commercial, transportation and logistics, manufacturing, telecommunication, and others. According to the report, commercial represented the largest segment. In commercial settings like offices, retail stores, and restaurants, smoke detectors are often part of a larger fire safety system. Hardwired models with battery backup are standard, and the choice between ionization, photoelectric, or dual sensor models depends on the specific risks associated with the business activities.

In the oil, gas, and mining sector, the risk of fire is exceptionally high due to the flammable materials involved. Smoke detectors are often specialized to work in harsh conditions and are made to be highly sensitive to detect fires as quickly as possible. They must also be explosion-proof to minimize the risk of igniting any volatile substances.

In the residential sector, smoke detectors are primarily used for early warning in the case of household fires. Devices range from simple battery-operated units to smart, interconnected systems that can send alerts to smartphones. The primary focus is on ease of use, affordability, and reliability.

Breakup by Region:

- North America
 - United States
 - Canada
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
- Russia
- Others
- Asia Pacific
 - China
 - Japan
 - India
 - South Korea

Australia
Indonesia
Others
Latin America
Brazil
Mexico
Argentina
Colombia
Chile
Peru
Others
Middle East and Africa
Turkey
Saudi Arabia
Iran
United Arab Emirates
Others

North America exhibits a clear dominance, accounting for the largest smoke detector market share

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, Argentina, Colombia, Chile, Peru, and others); and the Middle East and Africa (Turkey, Saudi Arabia, Iran, the United Arab Emirates and others). According to the report, North America accounted for the largest market share.

The increasing installation of smoke detectors represent one of the primary factors strengthening the smoke detector market growth in the North American region. Moreover, the rising awareness about the hazardous effects of the release of carbon monoxide (CO) is offering a favorable smoke detector market outlook in the region. Besides this, the establishment of commercial spaces is bolstering the market growth in the region.

Competitive Landscape:

The leading companies are launching smoke detectors that are integrated with the

internet of things (IoT) technology to connect with other smart home devices. In the event of a fire, these detectors send alerts to smartphones and enable quicker response times. Moreover, key players are developing smoke detectors that include multiple sensors to detect different types of fires, including both fast-flaming and slow-burning fires. This increases the accuracy of the devices and reduces the likelihood of false alarms. They are also introducing cutting edge smoke detectors that offer the ability to monitor the status of the device remotely through an app, which includes checking the battery life, receiving alerts for any malfunctions, and ensuring consistent protection.

The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

ABB Group
Hochiki Corporation
Honeywell International
Johnson Controls International PLC
Robert Bosch GmbH
Schneider Electric
SECOM CO., LTD
Siemens AG
United Technologies Corporation
Ceasefire Industries Pvt. Ltd.

Recent Developments:

In 2022, Honeywell International launched Fire-Lite, a suite of conventional and addressable fire protection systems suitable for small to medium-sized buildings. The easy to install solution offers fire detection and protection in new and existing buildings to help keep people and property safe.

In 2021, Siemens AG smart infrastructure launched a new version of its Cerberus FIT fire protection to expand its portfolio for the small to medium-sized property sector.

In 2021, Johnson Controls International PLC introduced their first conventional fire detector with a microprocessor, the 700 series, that can monitor and precisely respond to circumstances of a building fire.

Key Questions Answered in This Report

1. What was the size of the global smoke detector market in 2023?
2. What is the expected growth rate of the global smoke detector market during 2024-2032?

3. What are the key factors driving the global smoke detector market?
4. What has been the impact of COVID-19 on the global smoke detector market?
5. What is the breakup of the global smoke detector market based on the product type?
6. What is the breakup of the global smoke detector market based on the power source?
7. What is the breakup of the global smoke detector market based on the end-use sector?
8. What are the key regions in the global smoke detector market?
9. Who are the key players/companies in the global smoke detector market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SMOKE DETECTOR MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Photoelectric Smoke Detector
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Dual Sensor Smoke Detector
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Ionization Smoke Detector

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY POWER SOURCE

7.1 Hardwired with Battery Backup

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Hardwired without Battery Backup

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Battery Powered

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY END-USE SECTOR

8.1 Oil, Gas & Mining

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Residential

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Commercial

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Transportation & Logistics

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Manufacturing

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Telecommunication

8.6.1 Market Trends

8.6.2 Market Forecast

8.7 Others

8.7.1 Market Trends

8.7.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Europe

9.2.1 Germany

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 France

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 United Kingdom

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 Italy

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Spain

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Russia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Asia Pacific

9.3.1 China

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 Japan

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 India

- 9.3.3.1 Market Trends
- 9.3.3.2 Market Forecast
- 9.3.4 South Korea
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Australia
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Indonesia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Argentina
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
 - 9.4.4 Colombia
 - 9.4.4.1 Market Trends
 - 9.4.4.2 Market Forecast
 - 9.4.5 Chile
 - 9.4.5.1 Market Trends
 - 9.4.5.2 Market Forecast
 - 9.4.6 Peru
 - 9.4.6.1 Market Trends
 - 9.4.6.2 Market Forecast
 - 9.4.7 Others
 - 9.4.7.1 Market Trends
 - 9.4.7.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Turkey
 - 9.5.1.1 Market Trends

- 9.5.1.2 Market Forecast
- 9.5.2 Saudi Arabia
 - 9.5.2.1 Market Trends
 - 9.5.2.2 Market Forecast
- 9.5.3 Iran
 - 9.5.3.1 Market Trends
 - 9.5.3.2 Market Forecast
- 9.5.4 United Arab Emirates
 - 9.5.4.1 Market Trends
 - 9.5.4.2 Market Forecast
- 9.5.5 Others
 - 9.5.5.1 Market Trends
 - 9.5.5.2 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

- 11.1 Overview
- 11.2 Inbound Logistics
- 11.3 Operations
- 11.4 Outbound Logistics
- 11.5 Marketing and Sales
- 11.6 Service

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

13.1 Key Price Indicators

13.2 Price Structure

13.3 Price Trends

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 ABB Group

14.3.2 Hochiki Corporation

14.3.3 Honeywell International

14.3.4 Johnson Controls International PLC

14.3.5 Robert Bosch GmbH

14.3.6 Schneider Electric

14.3.7 SECOM CO., LTD

14.3.8 Siemens AG

14.3.9 United Technologies Corporation

14.3.10 Ceasefire Industries Pvt. Ltd.

I would like to order

Product name: Smoke Detector Market Report by Product Type (Photoelectric Smoke Detector, Dual Sensor Smoke Detector, Ionization Smoke Detector), Power Source (Hardwired With Battery Backup, Hardwired Without Battery Backup, Battery Powered), End-Use Sector (Oil, Gas and Mining, Residential, Commercial, Transportation and Logistics, Manufacturing, Telecommunication, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/SFCAE4D89100EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SFCAE4D89100EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970