

# Global Duct Smoke Detectors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Duct Smoke Detectors market size was valued at USD 107 million in 2023 and is forecast to a readjusted size of USD 122.2 million by 2030 with a CAGR of 1.9% during review period.

A duct smoke detector can be defined as a device that detects if there is any smoke present in the air ducts in the network of ducts of the HVAC systems used in commercial buildings. The Heating, Ventilation, Air Conditioning in commercial buildings is done via these ducts, hence it is important to make sure that these ducts remain functioning, and are not the cause of any sort of damage to the building. If there is any sort of fire in the building that is undetected, the smoke will enter the cluster of ducts where it can be detected via the Duct Smoke Detector.

Building, fire and life safety codes often require the installation of duct smoke detection in heating, ventilating, and air conditioning (HVAC) ducts for the detection of fires in an HVAC System.

Duct smoke detectors provide early detection of smoke and products of combustion present in air moving through HVAC ducts. These devices are designed for prevention of smoke recirculation in areas by the air handling systems. Fans, blowers and complete systems may be shut down in the event of smoke detection.

Global key players of Duct Smoke Detectors include Honeywell, Carrier Global Corporation, Halma, etc. The top three players hold a share over 48%.

Asia-Pacific is the largest market, has a share about 33%, followed by North America

and Europe, with share 32% and 28%, separately.

In terms of product type, Photoelectric Dust Smoke Detectors is the largest segment, occupied for a share of 92%, and in terms of application, Commercial has a share about 52%.

The Global Info Research report includes an overview of the development of the Duct Smoke Detectors industry chain, the market status of Commercial (Photoelectric Dust Smoke Detectors, Ionization Dust Smoke Detectors), Industrial (Photoelectric Dust Smoke Detectors, Ionization Dust Smoke Detectors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Duct Smoke Detectors.

Regionally, the report analyzes the Duct Smoke Detectors markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Duct Smoke Detectors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Duct Smoke Detectors market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Duct Smoke Detectors industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Photoelectric Dust Smoke Detectors, Ionization Dust Smoke Detectors).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Duct Smoke Detectors market.

**Regional Analysis:** The report involves examining the Duct Smoke Detectors market at a regional or national level. Report analyses regional factors such as government

incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Duct Smoke Detectors market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Duct Smoke Detectors:

**Company Analysis:** Report covers individual Duct Smoke Detectors manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Duct Smoke Detectors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial, Industrial).

**Technology Analysis:** Report covers specific technologies relevant to Duct Smoke Detectors. It assesses the current state, advancements, and potential future developments in Duct Smoke Detectors areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Duct Smoke Detectors market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Duct Smoke Detectors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

## Market segment by Type

Photoelectric Dust Smoke Detectors

Ionization Dust Smoke Detectors

#### Market segment by Application

Commercial

Industrial

Government & Public Utility

Residential

#### Major players covered

Honeywell

Carrier Global Corporation

Halma

Potter Electric Signal Company, LLC

Bosch

Nittan Group

Swiss Securitas Group

Wildeboer Bauteile GmbH

Johnson Controls

Hochiki

TROX GmbH

Siemens

Mircom

Calectro

Triga

National Time and Signal Corporation

Halton Group

Greystone Energy Systems Inc.

Produal Group

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Duct Smoke Detectors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Duct Smoke Detectors, with price, sales, revenue and global market share of Duct Smoke Detectors from 2019 to 2024.

Chapter 3, the Duct Smoke Detectors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Duct Smoke Detectors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Duct Smoke Detectors market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Duct Smoke Detectors.

Chapter 14 and 15, to describe Duct Smoke Detectors sales channel, distributors, customers, research findings and conclusion.

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