

Global Residual Current Detectors Market Growth 2025-2031

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Abstracts

The global Residual Current Detectors market size is predicted to grow from US\$ 17900 million in 2025 to US\$ 22300 million in 2031; it is expected to grow at a CAGR of 3.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Residual Current Detectors (also known as GFCI or RCCB) are the core protection devices in the power distribution system. Their core function is to automatically cut off the power supply when a leakage fault occurs in the line, thereby effectively preventing personal electric shock accidents and equipment damage. According to the current national standards, this type of product is mainly divided into two technical categories: one is a residual current circuit breaker with overcurrent protection that complies with the GB/T 16917.1 standard, which integrates the triple protection functions of leakage, overload and short circuit; the other is a product without overcurrent protection that complies with the GB/T 16916.1 standard, which only has basic leakage protection functions. These two technical routes meet the electrical safety protection needs in different application scenarios and jointly build a complete leakage protection system.

Residual current protector, commonly known as leakage switch. There are certain differences in the types of leakage protectors in different application scenarios, which are specifically reflected in the models of leakage protectors. For example, Schneider Electric's leakage protectors include AC type, A type, F type, B type, etc. Among them, AC type is mainly suitable for residential (water heaters, ovens, vacuum cleaners and other home appliances), while A type is suitable for (computers, induction cookers,

dishwashers, microwave ovens, etc.). The core function is mainly leakage/electric shock protection. There are many brands in the global market, and many brands are also OEM models. The core companies of residual current protectors (RCDs) mainly include Schneider, Siemens, Hitachi Energy (ABB), Eaton, Panasonic, etc.; Chinese local companies include Chint Group, DELIXI ELECTRIC, Bull Group, Shanghai Liangxin Electrical Co., Ltd, Zhejiang Tengen Electrics Co., Ltd, etc.

LP Information, Inc. (LPI) ' newest research report, the "Residual Current Detectors Industry Forecast" looks at past sales and reviews total world Residual Current Detectors sales in 2024, providing a comprehensive analysis by region and market sector of projected Residual Current Detectors sales for 2025 through 2031. With Residual Current Detectors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Residual Current Detectors industry.

This Insight Report provides a comprehensive analysis of the global Residual Current Detectors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Residual Current Detectors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Residual Current Detectors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Residual Current Detectors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Residual Current Detectors.

This report presents a comprehensive overview, market shares, and growth opportunities of Residual Current Detectors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

C Type RCD

D Type RCD

Segmentation by Application:

Residential

Industrial

Commercial Building

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Schneider Electric

SIEMENS

Hitachi Energy (ABB)

EATON

Chint Group

DELIXI ELECTRIC

Legrand

Rockwell Automation

Changan Group

ELEGRP

Kedu Electric Co., Ltd

Shihlin Electric

Mitsubishi Electric

Panasonic

LS Electric

Bull Group

Shanghai Liangxin Electrical Co., Ltd

Zhejiang Tengen Electrics Co., Ltd

BG Electrical

LOVATO Electric

IMO Precision Controls

Makel

Doepke

HIMEL

GEYA Electrical

Protek Electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Residual Current Detectors market?

What factors are driving Residual Current Detectors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Residual Current Detectors market opportunities vary by end market size?

How does Residual Current Detectors break out by Type, by Application?

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