

Global Portable Residual Current Devices Market Size Study & Forecast, by Product Type (Consumer PRCDs, Industrial PRCDs) by Application (Residential Applications, Commercial Applications) by Technology (Analog PRCDs, Digital PRCDs) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/GE1276F2E6E0EN.html>

Date: January 2026

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: GE1276F2E6E0EN

Abstracts

The Global Portable Residual Current Devices (PRCDs) Market is valued at approximately USD 1.2 billion in 2024 and is projected to grow at a robust CAGR of 8.7% during the forecast period 2025–2035. PRCDs are critical electrical safety devices designed to prevent electric shocks by detecting leakage currents and interrupting the circuit instantaneously. These devices find extensive applications across residential, commercial, and industrial sectors, safeguarding equipment and personnel from electrical hazards. The market growth is fueled by the increasing emphasis on workplace and home safety standards, expanding electricity infrastructure, and the rising adoption of smart electrical safety solutions worldwide. Moreover, evolving building codes, stringent regulatory mandates, and the modernization of power distribution systems are further catalyzing the demand for PRCDs globally.

The surge in residential and commercial construction projects has driven the uptake of PRCDs, particularly in developing regions where new electrification initiatives are rapidly underway. According to industry reports, the number of households connected to electricity grids in Asia Pacific and Africa increased significantly in 2023, signaling a robust potential for PRCD adoption. Meanwhile, the growing awareness about electrical safety in workplaces and industrial setups is prompting businesses to integrate advanced digital PRCDs, thereby ensuring real-time monitoring and reduced downtime. Nevertheless, high upfront costs of digital PRCDs and limited penetration in certain

emerging markets may restrain growth moderately over the forecast period 2025–2035.

The detailed segments and sub-segments included in the report are:

By Product Type:

Consumer PRCDs

Industrial PRCDs

By Application:

Residential Applications

Commercial Applications

By Technology:

Analog PRCDs

Digital PRCDs

Among the application segments, residential applications are expected to dominate the market due to increasing awareness regarding home electrical safety, rising urbanization, and growing investments in smart home solutions. Commercial applications are poised for rapid expansion, driven by stricter occupational safety regulations, rising industrialization, and increased adoption of digital PRCDs for advanced monitoring and control.

In terms of product type, industrial PRCDs lead in revenue generation, primarily due to the extensive deployment in factories, construction sites, and large commercial facilities where electrical safety is paramount. Consumer PRCDs, while smaller in revenue contribution, are witnessing rapid growth as smart analog and digital devices are increasingly incorporated into residential settings.

North America maintains a strong market presence, supported by well-established safety regulations, advanced electrical infrastructure, and widespread adoption of digital PRCDs. Europe also holds a significant share owing to stringent EU electrical safety directives, whereas Asia Pacific is anticipated to be the fastest-growing region, driven by electrification initiatives, increasing residential and commercial construction, and government programs promoting safe electricity usage. Latin America and the Middle East & Africa are gradually expanding their PRCD markets due to rising industrial projects and increased awareness of electrical hazards.

Major market players included in this report are:

Schneider Electric SE

Siemens AG

ABB Ltd

Legrand SA

Eaton Corporation

Hager Group

Rockwell Automation, Inc.

Chint Group

Mitsubishi Electric Corporation

Fuji Electric Co., Ltd.

Phoenix Contact GmbH & Co. KG

NHP Electrical Engineering Products

Delta Electronics, Inc.

Eaton's Moeller GmbH

Socomec Group

Global Portable Residual Current Devices Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments and countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Portable Residual Current Devices Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. increasing emphasis on workplace and home safety standards
 - 3.2.2. expanding electricity infrastructure
- 3.3. Restraints
 - 3.3.1. high upfront costs of digital PRCDs and limited penetration in certain emerging markets
- 3.4. Opportunities
 - 3.4.1. rising adoption of smart electrical safety solutions

CHAPTER 4. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET SIZE & FORECASTS BY PRODUCT TYPE 2025-2035

- 5.1. Market Overview
- 5.2. Global Portable Residual Current Devices Market Performance - Potential Analysis (2025)
- 5.3. Consumer PRCDs
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. Industrial PRCDs
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET SIZE & FORECASTS BY APPLICATION 2025-2035

- 6.1. Market Overview
- 6.2. Global Portable Residual Current Devices Market Performance - Potential Analysis (2025)
- 6.3. Residential Applications
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.3.2. Market size analysis, by region, 2025-2035
- 6.4. Commercial Applications
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.4.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET SIZE & FORECASTS BY TECHNOLOGY 2025–2035

- 7.1. Market Overview
- 7.2. Global Portable Residual Current Devices Market Performance - Potential Analysis (2025)
- 7.3. Analog PRCDs
 - 7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 7.3.2. Market size analysis, by region, 2025-2035
- 7.4. Digital PRCDs
 - 7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 7.4.2. Market size analysis, by region, 2025-2035

CHAPTER 8. GLOBAL PORTABLE RESIDUAL CURRENT DEVICES MARKET SIZE & FORECASTS BY REGION 2025–2035

- 8.1. Growth Portable Residual Current Devices Market, Regional Market Snapshot
- 8.2. Top Leading & Emerging Countries
- 8.3. North America Portable Residual Current Devices Market
 - 8.3.1. U.S. Portable Residual Current Devices Market
 - 8.3.1.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.3.1.2. Application breakdown size & forecasts, 2025-2035
 - 8.3.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.3.2. Canada Portable Residual Current Devices Market
 - 8.3.2.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.3.2.2. Application breakdown size & forecasts, 2025-2035
 - 8.3.2.3. Technology breakdown size & forecasts, 2025-2035
- 8.4. Europe Portable Residual Current Devices Market

- 8.4.1. UK Portable Residual Current Devices Market
 - 8.4.1.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.1.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.1.3. Technology breakdown size & forecasts, 2025-2035
- 8.4.2. Germany Portable Residual Current Devices Market
 - 8.4.2.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.2.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.2.3. Technology breakdown size & forecasts, 2025-2035
- 8.4.3. France Portable Residual Current Devices Market
 - 8.4.3.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.3.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.3.3. Technology breakdown size & forecasts, 2025-2035
- 8.4.4. Spain Portable Residual Current Devices Market
 - 8.4.4.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.4.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.4.3. Technology breakdown size & forecasts, 2025-2035
- 8.4.5. Italy Portable Residual Current Devices Market
 - 8.4.5.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.5.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.5.3. Technology breakdown size & forecasts, 2025-2035
- 8.4.6. Rest of Europe Portable Residual Current Devices Market
 - 8.4.6.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.4.6.2. Application breakdown size & forecasts, 2025-2035
 - 8.4.6.3. Technology breakdown size & forecasts, 2025-2035
- 8.5. Asia Pacific Portable Residual Current Devices Market
 - 8.5.1. China Portable Residual Current Devices Market
 - 8.5.1.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.5.1.2. Application breakdown size & forecasts, 2025-2035
 - 8.5.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.2. India Portable Residual Current Devices Market
 - 8.5.2.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.5.2.2. Application breakdown size & forecasts, 2025-2035
 - 8.5.2.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.3. Japan Portable Residual Current Devices Market
 - 8.5.3.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.5.3.2. Application breakdown size & forecasts, 2025-2035
 - 8.5.3.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.4. Australia Portable Residual Current Devices Market
 - 8.5.4.1. Product Type breakdown size & forecasts, 2025-2035

- 8.5.4.2. Application breakdown size & forecasts, 2025-2035
- 8.5.4.3. Technology breakdown size & forecasts, 2025-2035
- 8.5.5. South Korea Portable Residual Current Devices Market
 - 8.5.5.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.5.5.2. Application breakdown size & forecasts, 2025-2035
 - 8.5.5.3. Technology breakdown size & forecasts, 2025-2035
- 8.5.6. Rest of APAC Portable Residual Current Devices Market
 - 8.5.6.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.5.6.2. Application breakdown size & forecasts, 2025-2035
 - 8.5.6.3. Technology breakdown size & forecasts, 2025-2035
- 8.6. Latin America Portable Residual Current Devices Market
 - 8.6.1. Brazil Portable Residual Current Devices Market
 - 8.6.1.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.6.1.2. Application breakdown size & forecasts, 2025-2035
 - 8.6.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.6.2. Mexico Portable Residual Current Devices Market
 - 8.6.2.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.6.2.2. Application breakdown size & forecasts, 2025-2035
 - 8.6.2.3. Technology breakdown size & forecasts, 2025-2035
- 8.7. Middle East and Africa Portable Residual Current Devices Market
 - 8.7.1. UAE Portable Residual Current Devices Market
 - 8.7.1.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.7.1.2. Application breakdown size & forecasts, 2025-2035
 - 8.7.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.7.2. Saudi Arabia (KSA) Portable Residual Current Devices Market
 - 8.7.2.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.7.2.2. Application breakdown size & forecasts, 2025-2035
 - 8.7.2.3. Technology breakdown size & forecasts, 2025-2035
 - 8.7.3. South Africa Portable Residual Current Devices Market
 - 8.7.3.1. Product Type breakdown size & forecasts, 2025-2035
 - 8.7.3.2. Application breakdown size & forecasts, 2025-2035
 - 8.7.3.3. Technology breakdown size & forecasts, 2025-2035

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Schneider Electric SE
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives

- 9.2.3. Company Snapshot
- 9.2.4. Financial Performance (Subject to Data Availability)
- 9.2.5. Product/Services Port
- 9.2.6. Recent Development
- 9.2.7. Market Strategies
- 9.2.8. SWOT Analysis
- 9.3. Siemens AG
- 9.4. ABB Ltd
- 9.5. Legrand SA
- 9.6. Eaton Corporation
- 9.7. Hager Group
- 9.8. Rockwell Automation, Inc.
- 9.9. Chint Group
- 9.10. Mitsubishi Electric Corporation
- 9.11. Fuji Electric Co., Ltd.
- 9.12. Phoenix Contact GmbH & Co. KG
- 9.13. NHP Electrical Engineering Products
- 9.14. Delta Electronics, Inc.
- 9.15. Eaton's Moeller GmbH
- 9.16. Socomec Group

List Of Tables

LIST OF TABLES

- Table 1. Global Portable Residual Current Devices Market, Report Scope
- Table 2. Global Portable Residual Current Devices Market Estimates & Forecasts By Region 2024–2035
- Table 3. Global Portable Residual Current Devices Market Estimates & Forecasts By Segment 2024–2035
- Table 4. Global Portable Residual Current Devices Market Estimates & Forecasts By Segment 2024–2035
- Table 5. Global Portable Residual Current Devices Market Estimates & Forecasts By Segment 2024–2035
- Table 6. Global Portable Residual Current Devices Market Estimates & Forecasts By Segment 2024–2035
- Table 7. Global Portable Residual Current Devices Market Estimates & Forecasts By Segment 2024–2035
- Table 8. U.S. Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 9. Canada Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 10. UK Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 11. Germany Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 12. France Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 13. Spain Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 14. Italy Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 15. Rest Of Europe Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 16. China Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 17. India Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035
- Table 18. Japan Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035

Table 19. Australia Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Portable Residual Current Devices Market Estimates & Forecasts, 2024–2035

.....

List Of Figures

LIST OF FIGURES

- Fig 1. Global Portable Residual Current Devices Market, Research Methodology
- Fig 2. Global Portable Residual Current Devices Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Portable Residual Current Devices Market, Key Trends 2025
- Fig 5. Global Portable Residual Current Devices Market, Growth Prospects 2024–2035
- Fig 6. Global Portable Residual Current Devices Market, Porter’s Five Forces Model
- Fig 7. Global Portable Residual Current Devices Market, Pestel Analysis
- Fig 8. Global Portable Residual Current Devices Market, Value Chain Analysis
- Fig 9. Portable Residual Current Devices Market By Application, 2025 & 2035
- Fig 10. Portable Residual Current Devices Market By Segment, 2025 & 2035
- Fig 11. Portable Residual Current Devices Market By Segment, 2025 & 2035
- Fig 12. Portable Residual Current Devices Market By Segment, 2025 & 2035
- Fig 13. Portable Residual Current Devices Market By Segment, 2025 & 2035
- Fig 14. North America Portable Residual Current Devices Market, 2025 & 2035
- Fig 15. Europe Portable Residual Current Devices Market, 2025 & 2035
- Fig 16. Asia Pacific Portable Residual Current Devices Market, 2025 & 2035
- Fig 17. Latin America Portable Residual Current Devices Market, 2025 & 2035
- Fig 18. Middle East & Africa Portable Residual Current Devices Market, 2025 & 2035
- Fig 19. Global Portable Residual Current Devices Market, Company Market Share Analysis (2025)

.....

I would like to order

Product name: Global Portable Residual Current Devices Market Size Study & Forecast, by Product Type (Consumer PRCDs, Industrial PRCDs) by Application (Residential Applications, Commercial Applications) by Technology (Analog PRCDs, Digital PRCDs) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/GE1276F2E6E0EN.html>

Price: US\$ 3,750.00 (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/GE1276F2E6E0EN.html>