

HVAC Controls Market by Component (Sensor, Control Valve, Heating & Cooling Coil, Damper, Actuator, Smart Vent, Controller, Thermostat, Pump), Control Type (Manual, Smart), System (Temperature, Ventilation, Humidity, Integrated) - Global Forecast to 2030

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Abstracts

The HVAC controls market is projected to grow from USD 25.81 billion in 2025 and is expected to reach USD 39.07 billion by 2030, growing at a CAGR of 8.6% from 2025 to 2030. The Internet of Things (IoT) is a network of interconnected devices that collect, share, and process data. IoT, when integrated with HVAC systems, enables remote management, data collection, and cloud-based processing. For example, smart devices equipped with motion sensors can monitor room occupancy and adjust HVAC operations accordingly. If no one is detected, the system could alert users on an app that they should stop heating or cooling systems, resulting in energy-saving. Advanced controls that are enabled by IoT technologies use networking and AI technologies for learning occupant preferences and adaptively adjusting their settings to better comfort over time.

HVAC manufacturers are increasingly coming up with IoT-based smart systems to gain market share and meet the ever-growing demand from consumers. In January 2022, Delta, a global leader in power and thermal management solutions, introduced an online platform that features IoT-based energy-efficient solutions for smart cities, including the IoT-based 03 Edge system, which comprises a patented multi-sensor and room controller to ensure seamless control of HVAC, lighting, and access systems for enhanced building efficiency and safety.

“The integrated control system segment in the HVAC controls market is to witness the highest growth rate during the forecast period.”

The integrated control system segment is witnessing the highest growth rate due to the increasing demand for centralized, seamless management of building systems, including HVAC, lighting, and security, to enhance energy efficiency and operational performance. The adoption of IoT, cloud computing, and AI technologies enables real-time monitoring, data analytics, and automated decision-making, driving the shift toward integrated solutions. Additionally, the rise of smart buildings and the need for compliance with energy efficiency regulations are further accelerating this growth.

“Market for new construction in the HVAC controls market to hold the largest market share during the forecast period.”

New construction in the HVAC controls market to hold the largest market share during the forecast period. The HVAC control systems for new apartments, buildings, commercial complexes, and industries are put in with new construction. One of the main things which will drive the growth of the HVAC control market is the rise in new building projects. All the changes in the commercial and industrial construction industry are expected to make HVAC control systems more popular and take the market inclined on the growth chart.

“China is expected to hold the largest market size in the Asia Pacific region during the forecast period.”

China is poised to hold the largest market share in the Asia-Pacific region for HVAC controls, driven by rapid urbanization, increasing construction activities, and the growing demand for energy-efficient building solutions. The country's focus on smart city initiatives, stringent energy regulations, and the adoption of advanced technologies like IoT and AI in HVAC systems are key factors contributing to its dominance. Additionally, rising disposable incomes and the need for improved indoor air quality further bolster the market growth in China.

By Company Type: Tier 1 – 40%, Tier 2 – 25%, and Tier 3 – 35%

By Designation: Directors – 25%, Managers – 30%, and Others – 45%

By Region: North America – 45%, Europe – 30%, Asia Pacific – 20%, and RoW – 5%

Prominent players profiled in this report include Honeywell International Inc. (US), Johnson Controls (Ireland), Siemens (Germany), Carrier (US), Daikin Industries, Ltd. (Japan), Emerson Electric Co. (US), Schneider Electric (France), Trane Technologies (Ireland), Danfoss (Denmark), Lennox International Inc. (US), LG Electronics (South Korea), Mitsubishi Electric Corporation (Japan), Fr. Sauter AG (Switzerland), Bosch GmbH (Germany), Eaton (Ireland), BELIMO AIRCONTROLS (USA), Inc. (Switzerland) among a few other key companies in the HVAC controls market.

Report Coverage

The report defines, describes, and forecasts the HVAC controls market based on Type, Mode, Solutions, Component, Control Type, System, Implementation Type, End-use Industry, and Region. It provides detailed information regarding drivers, restraints, opportunities, and challenges influencing the market's growth. It also analyzes competitive developments such as acquisitions, product launches, expansions, and actions carried out by the key players to grow in the market.

Reasons to Buy This Report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue for the overall HVAC controls market and the subsegments. The report will help stakeholders understand the competitive landscape and gain more insight to position their business better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market's pulse and provides information on key drivers, restraints, opportunities, and challenges.

The report will provide insights into the following pointers:

Analysis of key drivers (Surging demand for smart building automation for homes and offices), restraints (High costs and associated complexities involved in implementing HVAC systems), opportunities (Growing demand for cloud computing in HVAC), and challenges (Complexity in retrofitting HVAC controls in existing systems) of the HVAC controls market.

Product development /Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the HVAC controls market.

Market Development: Comprehensive information about lucrative markets; the report analyses the HVAC controls market across various regions.

Market Diversification: Exhaustive information about new products launched, untapped geographies, recent developments, and investments in the HVAC controls market.

Competitive Assessment: In-depth assessment of market share, growth strategies, and offering of leading players like Honeywell International Inc. (US), Johnson Controls (Ireland), Siemens (Germany), Emerson Electric Co. (US), Schneider Electric (France) among others in the HVAC controls market.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED AND REGIONAL SCOPE

1.3.2 INCLUSIONS AND EXCLUSIONS

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 UNIT CONSIDERED

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

2.1.1 SECONDARY DATA

2.1.1.1 List of key secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 List of primary interview participants

2.1.2.2 Breakdown of primaries

2.1.2.3 Key data from primary sources

2.1.2.4 Key industry insights

2.1.3 SECONDARY AND PRIMARY RESEARCH

2.2 MARKET SIZE ESTIMATION METHODOLOGY

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to arrive at market size using bottom-up analysis
(demand side)

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to arrive at market size using top-down analysis
(supply side)

2.3 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.5 RESEARCH LIMITATIONS

2.6 RISK ANALYSIS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HVAC CONTROLS MARKET
- 4.2 HVAC CONTROLS MARKET, BY COMPONENT
- 4.3 HVAC CONTROLS MARKET, BY CONTROL TYPE
- 4.4 HVAC CONTROLS MARKET, BY IMPLEMENTATION TYPE
- 4.5 ASIA PACIFIC HVAC CONTROLS MARKET, BY COMPONENT AND COUNTRY
- 4.6 HVAC CONTROLS MARKET, BY COUNTRY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

- 5.2.1.1 Increasing number of smart homes
- 5.2.1.2 Elevating adoption of energy-efficient systems
- 5.2.1.3 Pressing need to improve urban air quality
- 5.2.1.4 Surging demand for smart thermostats by commercial and residential end users

5.2.2 RESTRAINTS

- 5.2.2.1 High deployment costs
- 5.2.2.2 Shortage of skilled professionals

5.2.3 OPPORTUNITIES

- 5.2.3.1 Incorporation of cloud computing into HVAC systems
- 5.2.3.2 Integration of smart devices with HVAC systems
- 5.2.3.3 Rising demand for eco-friendly HVAC solutions
- 5.2.3.4 Integration of IoT with HVAC systems

5.2.4 CHALLENGES

- 5.2.4.1 Complexities associated with upgrading HVAC systems
- 5.2.4.2 Limited awareness of HVAC standards among contractors

5.3 VALUE CHAIN ANALYSIS

5.4 ECOSYSTEM ANALYSIS

5.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

5.6 TECHNOLOGY ANALYSIS

5.6.1 KEY TECHNOLOGIES

- 5.6.1.1 Smart thermostats

- 5.6.1.2 Building management systems
- 5.6.2 COMPLEMENTARY TECHNOLOGIES
 - 5.6.2.1 IoT sensors
 - 5.6.2.2 Cloud computing
- 5.6.3 ADJACENT TECHNOLOGIES
 - 5.6.3.1 Renewable energy
 - 5.6.3.2 Zoned HVAC systems
- 5.7 INVESTMENT AND FUNDING SCENARIO
- 5.8 PORTER'S FIVE FORCES ANALYSIS
 - 5.8.1 INTENSITY OF COMPETITIVE RIVALRY
 - 5.8.2 BARGAINING POWER OF SUPPLIERS
 - 5.8.3 BARGAINING POWER OF BUYERS
 - 5.8.4 THREAT OF SUBSTITUTES
 - 5.8.5 THREAT OF NEW ENTRANTS
- 5.9 KEY STAKEHOLDERS AND BUYING CRITERIA
 - 5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS
 - 5.9.2 BUYING CRITERIA
- 5.10 CASE STUDY ANALYSIS
- 5.11 TRADE ANALYSIS
 - 5.11.1 IMPORT SCENARIO (HS CODE 8415)
 - 5.11.2 EXPORT SCENARIO (HS CODE 8415)
- 5.12 PATENT ANALYSIS
- 5.13 KEY CONFERENCES AND EVENTS, 2025–2026
- 5.14 TARIFF AND REGULATORY LANDSCAPE
 - 5.14.1 TARIFF ANALYSIS
 - 5.14.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - 5.14.3 HVAC STANDARDS
 - 5.14.4 REGULATIONS/CERTIFICATIONS
- 5.15 PRICING ANALYSIS
 - 5.15.1 INDICATIVE PRICING OF HVAC COMPONENTS, BY KEY PLAYER, 2024
 - 5.15.2 AVERAGE SELLING PRICE TREND OF HVAC COMPONENTS, BY REGION, 2020–2024
- 5.16 IMPACT OF GEN AI/AI ON HVAC CONTROLS MARKET

6 TYPES OF HVAC CONTROLS

- 6.1 INTRODUCTION
- 6.2 DIRECT-ACTING SYSTEMS

- 6.3 ELECTRIC/ELECTRONIC SYSTEMS
- 6.4 PNEUMATIC CONTROL SYSTEMS
- 6.5 DIRECT DIGITAL CONTROL SYSTEMS

7 MODES OF HVAC CONTROLS

- 7.1 INTRODUCTION
- 7.2 OPEN-LOOP
- 7.3 CLOSED-LOOP

8 SOLUTIONS OF HVAC CONTROLS

- 8.1 INTRODUCTION
- 8.2 PREDICTIVE MAINTENANCE SOLUTIONS
- 8.3 BUILDING AUTOMATION SYSTEMS
- 8.4 SECURITY & MONITORING DEVICES
- 8.5 CLOUD-BASED SOLUTIONS

9 HVAC CONTROLS MARKET, BY COMPONENT

- 9.1 INTRODUCTION
- 9.2 SENSORS
 - 9.2.1 BY TYPE
 - 9.2.1.1 Temperature sensors
 - 9.2.1.1.1 Increasing adoption of Industry 4.0 and factory automation technologies to foster segmental growth
 - 9.2.1.2 Humidity sensors
 - 9.2.1.2.1 Rising focus of process industry players on creating optimal environments to fuel segmental growth
 - 9.2.1.3 Occupancy sensors
 - 9.2.1.3.1 Surging adoption of energy-saving and sustainable technologies to support segmental growth
 - 9.2.1.4 Pressure sensors
 - 9.2.1.4.1 Need for balanced airflow and improved ventilation control to boost demand
 - 9.2.1.5 Flow sensors
 - 9.2.1.5.1 Advancements in microcontrollers and remote communication technology to drive adoption
 - 9.2.1.6 Other sensor types

9.2.2 BY CONNECTION TYPE

9.2.2.1 Wired sensors

9.2.2.1.1 Ability to reduce latency, bandwidth congestion, and radio interference issues to support segmental growth

9.2.2.2 Wireless sensors

9.2.2.2.1 Lower installation cost and enhanced connectivity to accelerate segmental growth

9.3 CONTROLLERS AND CONTROLLED EQUIPMENT

9.3.1 CONTROLLED EQUIPMENT

9.3.1.1 Control valves

9.3.1.1.1 Globe valves

9.3.1.1.1.1 Increasing demand for energy-efficient HVAC systems with precise flow control to drive market

9.3.1.1.2 Ball valves

9.3.1.1.2.1 Growing use of automated building control systems to boost adoption

9.3.1.1.3 Butterfly valves

9.3.1.1.3.1 Cost-effectiveness and compact design to boost demand

9.3.1.1.4 PIC valves

9.3.1.1.4.1 Ability to offer high indoor comfort and energy efficiency to increase deployment

9.3.1.1.5 Intelligent valves

9.3.1.1.5.1 Integration of advanced algorithms and IoT-enabled systems in HVAC infrastructure to fuel demand

9.3.1.1.6 Rotary control valves

9.3.1.1.6.1 Need for precise flow modulation in air handling systems to heighten demand

9.3.1.1.7 Thermostatic radiator valves

9.3.1.1.7.1 Increasing deployment of hydronic heating systems in residential and commercial buildings to support segmental growth

9.3.1.1.8 Other control valve types

9.3.1.2 Heating & cooling coils

9.3.1.2.1 Elevating use in commercial applications to contribute to market growth

9.3.1.3 Dampers

9.3.1.3.1 Excellence in maintaining stable air pressure within buildings to elevate demand

9.3.1.4 Actuators

9.3.1.4.1 Use of advanced actuators in IoT-integrated HVAC controls for hydronic balancing to drive market

9.3.1.4.2 Linear actuators

9.3.1.4.3 Rotary actuators

9.3.1.5 Pumps & fans

9.3.1.5.1 Ability to support functions of chillers, boilers, cooling towers, and domestic water systems to facilitate adoption

9.3.2 SMART VENTS

9.3.2.1 Rising popularity of smart homes to spike demand

9.3.3 CONTROLLERS

9.3.3.1 Variable air volume controllers

9.3.3.1.1 Need for improved indoor air quality and comfort in commercial and residential buildings to drive demand

9.3.3.2 Fan coil unit controllers

9.3.3.2.1 Surging use of cost-effective and space-efficient HVAC solutions to increase adoption

9.3.3.3 Programmable logic controllers

9.3.3.3.1 Greater reliability, scalability, and energy optimization features to spur demand

9.3.3.3.2 Temperature control

9.3.3.3.3 Pressure control

9.3.3.3.4 Flow control

9.3.3.3.5 Zone control

9.3.3.4 Direct digital controllers

9.3.3.4.1 Growing trend toward smart buildings to fuel market growth

9.3.4 THERMOSTATS

9.3.4.1 Rising demand by homeowners on remote management and customized home temperature to contribute to segmental growth

9.3.4.2 Standalone thermostats

9.3.4.3 Communicating room thermostats

9.3.4.4 Capillary & clamp-on thermostats

10 HVAC CONTROLS MARKET, BY CONTROL TYPE

10.1 INTRODUCTION

10.2 MANUAL

10.2.1 EASY MAINTENANCE AND TROUBLESHOOTING TO INCREASE ADOPTION BY FACILITIES WITH LIMITED BUDGETS

10.3 SMART AND AUTOMATED

10.3.1 SIGNIFICANT ADOPTION OF SMART HOME DEVICES TO FOSTER MARKET GROWTH

11 HVAC CONTROLS MARKET, BY SYSTEM

11.1 INTRODUCTION

11.2 TEMPERATURE CONTROL SYSTEMS

11.2.1 INCREASING DEMAND FOR ENERGY-EFFICIENT HVAC SOLUTIONS TO AUGMENT MARKET GROWTH

11.3 VENTILATION CONTROL SYSTEMS

11.3.1 STRICT GOVERNMENT REGULATIONS MANDATING INDOOR AIR QUALITY MONITORING TO DRIVE MARKET

11.4 HUMIDITY CONTROL SYSTEMS

11.4.1 INCREASING ADOPTION IN INDUSTRIES TO MAINTAIN PRODUCT QUALITY TO SUPPORT MARKET GROWTH

11.5 INTEGRATED CONTROL SYSTEMS

11.5.1 ELEVATING DEMAND FOR SEAMLESS BUILDING MANAGEMENT TO PROPEL MARKET

12 HVAC CONTROLS MARKET, BY IMPLEMENTATION TYPE

12.1 INTRODUCTION

12.2 NEW CONSTRUCTION

12.2.1 GOVERNMENT INVESTMENTS IN INFRASTRUCTURE DEVELOPMENT TO DRIVE MARKET

12.3 RETROFIT

12.3.1 GRATER EMPHASIS ON GREEN BUILDING INITIATIVES TO CONTRIBUTE TO MARKET GROWTH

13 HVAC CONTROLS MARKET, BY END USER

13.1 INTRODUCTION

13.2 RESIDENTIAL

13.2.1 RAPID URBANIZATION TO ACCELERATE DEMAND FOR ENERGY-EFFICIENT HVAC CONTROLS

13.2.2 SINGLE-FAMILY HOMES

13.2.3 APARTMENTS

13.3 COMMERCIAL

13.3.1 SIGNIFICANT FOCUS OF COMMERCIAL BUILDINGS ON ENERGY EFFICIENCY AND COST SAVINGS TO FACILITATE ADOPTION

13.3.2 OFFICES

13.3.3 EDUCATION

- 13.3.4 HEALTHCARE
- 13.3.5 GOVERNMENT
- 13.3.6 RETAIL
- 13.3.7 HOSPITALITY
- 13.3.8 AIRPORTS
- 13.3.9 DATA CENTERS
- 13.4 INDUSTRIAL
 - 13.4.1 STRONG NEED TO OPTIMIZE ENERGY CONSUMPTION TO EXPEDITE DEPLOYMENT
 - 13.4.2 MANUFACTURING FACILITIES
 - 13.4.3 WAREHOUSES

14 HVAC CONTROLS MARKET, BY REGION

- 14.1 INTRODUCTION
- 14.2 NORTH AMERICA
 - 14.2.1 MACROECONOMIC OUTLOOK FOR NORTH AMERICA
 - 14.2.2 US
 - 14.2.2.1 Increasing demand for energy-efficient and smart HVAC systems to drive market
 - 14.2.3 CANADA
 - 14.2.3.1 Government grants and incentives for energy-saving initiatives to promote adoption
 - 14.2.4 MEXICO
 - 14.2.4.1 Net-zero emission goals and green energy projects to support market growth
- 14.3 EUROPE
 - 14.3.1 MACROECONOMIC OUTLOOK FOR EUROPE
 - 14.3.2 UK
 - 14.3.2.1 Substantial focus on mitigating energy waste and achieving sustainability targets to spur demand
 - 14.3.3 GERMANY
 - 14.3.3.1 Stringent energy efficiency regulations and sustainability efforts to accelerate demand
 - 14.3.4 FRANCE
 - 14.3.4.1 Increasing adoption of smart, IoT-enabled systems to meet sustainability and indoor air quality goals to drive market
 - 14.3.5 ITALY
 - 14.3.5.1 Enforcement of government programs to reduce carbon footprint to boost adoption

- 14.3.6 REST OF EUROPE
- 14.4 ASIA PACIFIC
 - 14.4.1 MACROECONOMIC OUTLOOK FOR ASIA PACIFIC
 - 14.4.2 CHINA
 - 14.4.2.1 Government-led energy efficiency initiatives to escalate demand
 - 14.4.3 JAPAN
 - 14.4.3.1 Stringent regulations for energy conservation to foster market growth
 - 14.4.4 SOUTH KOREA
 - 14.4.4.1 Sustainable building practices to create growth opportunities
 - 14.4.5 INDIA
 - 14.4.5.1 Increasing smart city projects to support market growth
 - 14.4.6 REST OF ASIA PACIFIC
- 14.5 ROW
 - 14.5.1 MACROECONOMIC OUTLOOK FOR ROW
 - 14.5.2 MIDDLE EAST
 - 14.5.2.1 Regulatory framework promoting green initiatives to create potential for market growth
 - 14.5.2.2 GCC
 - 14.5.2.3 Rest of Middle East
 - 14.5.3 AFRICA
 - 14.5.3.1 Strategic R&D expansion of leading players to create growth potential
 - 14.5.4 SOUTH AMERICA
 - 14.5.4.1 Increasing investments in infrastructure development to fuel market growth

15 COMPETITIVE LANDSCAPE

- 15.1 OVERVIEW
- 15.2 KEY PLAYER STRATEGIES/RIGHT TO WIN, JANUARY 2022–DECEMBER 2024
- 15.3 REVENUE ANALYSIS, 2020–2024
- 15.4 MARKET SHARE ANALYSIS, 2024
- 15.5 COMPANY VALUATION AND FINANCIAL METRICS, 2024
- 15.6 BRAND COMPARISON
- 15.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024
 - 15.7.1 STARS
 - 15.7.2 EMERGING LEADERS
 - 15.7.3 PERVASIVE PLAYERS
 - 15.7.4 PARTICIPANTS
 - 15.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2024
 - 15.7.5.1 Company footprint

- 15.7.5.2 Region footprint
- 15.7.5.3 Component footprint
- 15.7.5.4 Implementation type footprint
- 15.7.5.5 End user footprint
- 15.7.5.6 Control type footprint

15.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024

- 15.8.1 PROGRESSIVE COMPANIES
- 15.8.2 RESPONSIVE COMPANIES
- 15.8.3 DYNAMIC COMPANIES
- 15.8.4 STARTING BLOCKS
- 15.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024
 - 15.8.5.1 Detailed list of key startups/SMEs
 - 15.8.5.2 Competitive benchmarking of key startups/SMEs

15.9 COMPETITIVE SCENARIO

- 15.9.1 PRODUCT LAUNCHES
- 15.9.2 DEALS
- 15.9.3 OTHER DEVELOPMENTS

16 COMPANY PROFILES

16.1 KEY PLAYERS

- 16.1.1 HONEYWELL INTERNATIONAL INC.
 - 16.1.1.1 Business overview
 - 16.1.1.2 Products/Solutions/Services offered
 - 16.1.1.3 Recent developments
 - 16.1.1.3.1 Product launches/developments
 - 16.1.1.3.2 Deals
 - 16.1.1.4 MnM view
 - 16.1.1.4.1 Key strengths/Right to win
 - 16.1.1.4.2 Strategic choices
 - 16.1.1.4.3 Weaknesses/Competitive threats
- 16.1.2 JOHNSON CONTROLS
 - 16.1.2.1 Business overview
 - 16.1.2.2 Products/Solutions/Services offered
 - 16.1.2.3 Recent developments
 - 16.1.2.3.1 Product launches/developments
 - 16.1.2.3.2 Deals
 - 16.1.2.3.3 Other developments
 - 16.1.2.4 MnM view

- 16.1.2.4.1 Key strengths/Right to win
- 16.1.2.4.2 Strategic choices
- 16.1.2.4.3 Weaknesses/Competitive threats
- 16.1.3 SIEMENS
 - 16.1.3.1 Business overview
 - 16.1.3.2 Products/Solutions/Services offered
 - 16.1.3.3 Recent developments
 - 16.1.3.3.1 Product launches/developments
 - 16.1.3.4 MnM view
 - 16.1.3.4.1 Key strengths/Right to win
 - 16.1.3.4.2 Strategic choices
 - 16.1.3.4.3 Weaknesses/Competitive threats
- 16.1.4 EMERSON ELECTRIC CO.
 - 16.1.4.1 Business overview
 - 16.1.4.2 Products/Solutions/Services offered
 - 16.1.4.3 Recent developments
 - 16.1.4.3.1 Product launches/developments
 - 16.1.4.4 MnM view
 - 16.1.4.4.1 Key strengths/Right to win
 - 16.1.4.4.2 Strategic choices
 - 16.1.4.4.3 Weaknesses/Competitive threats
- 16.1.5 SCHNEIDER ELECTRIC
 - 16.1.5.1 Business overview
 - 16.1.5.2 Products/Solutions/Services offered
 - 16.1.5.3 Recent developments
 - 16.1.5.3.1 Product launches/developments
 - 16.1.5.3.2 Deals
 - 16.1.5.4 MnM view
 - 16.1.5.4.1 Key strengths/Right to win
 - 16.1.5.4.2 Strategic choices
 - 16.1.5.4.3 Weaknesses/Competitive threats
- 16.1.6 CARRIER
 - 16.1.6.1 Business overview
 - 16.1.6.2 Products/Solutions/Services offered
 - 16.1.6.3 Recent developments
 - 16.1.6.3.1 Product launches/developments
 - 16.1.6.3.2 Deals
- 16.1.7 DAIKIN INDUSTRIES, LTD.
 - 16.1.7.1 Business overview

- 16.1.7.2 Products/Solutions/Services offered
- 16.1.7.3 Recent developments
 - 16.1.7.3.1 Product launches/developments
 - 16.1.7.3.2 Deals
- 16.1.8 TRANE TECHNOLOGIES PLC
 - 16.1.8.1 Business overview
 - 16.1.8.2 Products/Solutions/Services offered
 - 16.1.8.3 Recent developments
 - 16.1.8.3.1 Product launches/developments
 - 16.1.8.3.2 Deals
- 16.1.9 DANFOSS
 - 16.1.9.1 Business overview
 - 16.1.9.2 Products/Solutions/Services offered
 - 16.1.9.3 Recent developments
 - 16.1.9.3.1 Product launches/developments
 - 16.1.9.3.2 Deals
- 16.1.10 LENNOX INTERNATIONAL INC.
 - 16.1.10.1 Business overview
 - 16.1.10.2 Products/Solutions/Services offered
 - 16.1.10.3 Recent developments
 - 16.1.10.3.1 Deals
- 16.1.11 LG ELECTRONICS
 - 16.1.11.1 Business overview
 - 16.1.11.2 Products/Solutions/Services offered
- 16.1.12 MITSUBISHI ELECTRIC CORPORATION
 - 16.1.12.1 Business overview
 - 16.1.12.2 Products/Solutions/Services offered
 - 16.1.12.3 Recent developments
 - 16.1.12.3.1 Deals
- 16.1.13 FR. SAUTER AG
 - 16.1.13.1 Business overview
 - 16.1.13.2 Products/Solutions/Services offered
 - 16.1.13.3 Recent developments
 - 16.1.13.3.1 Product launches/developments
 - 16.1.13.3.2 Deals
- 16.1.14 BOSCH THERMOTECHNOLOGY CORP.
 - 16.1.14.1 Business overview
 - 16.1.14.2 Products/Solutions/Services offered
 - 16.1.14.3 Recent developments

16.1.14.3.1 Deals

16.1.15 EATON

16.1.15.1 Business overview

16.1.15.2 Products/Solutions/Services offered

16.1.16 BELIMO AIRCONTROLS (USA), INC.

16.1.16.1 Business overview

16.1.16.2 Products/Solutions/Services offered

16.2 OTHER PLAYERS

16.2.1 ASTRONICS CORPORATION

16.2.2 OJ ELECTRONICS A/S

16.2.3 REGIN CONTROLS

16.2.4 AZBIL CORPORATION

16.2.5 COMPUTROLS, INC.

16.2.6 CUBIC SENSOR AND INSTRUMENT CO., LTD.

16.2.7 RELIABLE CONTROLS CORPORATION

16.2.8 DELTA INTELLIGENT BUILDING TECHNOLOGIES INC.

16.2.9 DISTECH CONTROLS INC.

16.2.10 KMC CONTROLS

16.2.11 JACKSON SYSTEMS

17 APPENDIX

17.1 DISCUSSION GUIDE

17.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

17.3 CUSTOMIZATION OPTIONS

17.4 RELATED REPORTS

17.5 AUTHOR DETAILS

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Product name: HVAC Controls Market by Component (Sensor, Control Valve, Heating & Cooling Coil, Damper, Actuator, Smart Vent, Controller, Thermostat, Pump), Control Type (Manual, Smart), System (Temperature, Ventilation, Humidity, Integrated) - Global Forecast to 2030

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