

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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Report description:

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

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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.

Table of Contents:

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1	INTRODUCTION	28
1.1	STUDY OBJECTIVES	28
1.2	MARKET DEFINITION	28
1.3	STUDY SCOPE	29
1.3.1	MARKETS COVERED AND REGIONAL SCOPE	29
1.3.2	INCLUSIONS AND EXCLUSIONS	30
1.3.3	YEARS CONSIDERED	31
1.4	CURRENCY CONSIDERED	31
1.5	UNIT CONSIDERED	32
1.6	STAKEHOLDERS	32
1.7	SUMMARY OF CHANGES	32
2	RESEARCH METHODOLOGY	33
2.1	RESEARCH DATA	33
2.1.1	SECONDARY DATA	34
2.1.1.1	List of key secondary sources	34
2.1.1.2	Key data from secondary sources	34
2.1.2	PRIMARY DATA	35
2.1.2.1	List of primary interview participants	35
2.1.2.2	Breakdown of primaries	35
2.1.2.3	Key data from primary sources	36
2.1.2.4	Key industry insights	37
2.1.3	SECONDARY AND PRIMARY RESEARCH	37
2.2	MARKET SIZE ESTIMATION METHODOLOGY	38
2.2.1	BOTTOM-UP APPROACH	38
2.2.1.1	Approach to arrive at market size using bottom-up analysis (demand side)	38
2.2.2	TOP-DOWN APPROACH	40
2.2.2.1	Approach to arrive at market size using top-down analysis (supply side)	40
2.3	DATA TRIANGULATION	41
2.4	RESEARCH ASSUMPTIONS	42
2.5	RESEARCH LIMITATIONS	43
2.6	RISK ANALYSIS	43
3	EXECUTIVE SUMMARY	44
?		
4	PREMIUM INSIGHTS	49
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HVAC CONTROLS MARKET	49
4.2	HVAC CONTROLS MARKET, BY COMPONENT	49
4.3	HVAC CONTROLS MARKET, BY CONTROL TYPE	50
4.4	HVAC CONTROLS MARKET, BY IMPLEMENTATION TYPE	50
4.5	ASIA PACIFIC HVAC CONTROLS MARKET, BY COMPONENT AND COUNTRY	51
4.6	HVAC CONTROLS MARKET, BY COUNTRY	52
5	MARKET OVERVIEW	53
5.1	INTRODUCTION	53
5.2	MARKET DYNAMICS	53
5.2.1	DRIVERS	54
5.2.1.1	Increasing number of smart homes	54

5.2.1.2	Elevating adoption of energy-efficient systems	54
5.2.1.3	Pressing need to improve urban air quality	54
5.2.1.4	Surging demand for smart thermostats by commercial and residential end users	55
5.2.2	RESTRAINTS	56
5.2.2.1	High deployment costs	56
5.2.2.2	Shortage of skilled professionals	56
5.2.3	OPPORTUNITIES	57
5.2.3.1	Incorporation of cloud computing into HVAC systems	57
5.2.3.2	Integration of smart devices with HVAC systems	57
5.2.3.3	Rising demand for eco-friendly HVAC solutions	57
5.2.3.4	Integration of IoT with HVAC systems	58
5.2.4	CHALLENGES	59
5.2.4.1	Complexities associated with upgrading HVAC systems	59
5.2.4.2	Limited awareness of HVAC standards among contractors	59
5.3	VALUE CHAIN ANALYSIS	60
5.4	ECOSYSTEM ANALYSIS	62
5.5	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	63
5.6	TECHNOLOGY ANALYSIS	64
5.6.1	KEY TECHNOLOGIES	64
5.6.1.1	Smart thermostats	64
5.6.1.2	Building management systems	64
5.6.2	COMPLEMENTARY TECHNOLOGIES	64
5.6.2.1	IoT sensors	64
5.6.2.2	Cloud computing	64
5.6.3	ADJACENT TECHNOLOGIES	65
5.6.3.1	Renewable energy	65
5.6.3.2	Zoned HVAC systems	65
?		
5.7	INVESTMENT AND FUNDING SCENARIO	65
5.8	PORTER'S FIVE FORCES ANALYSIS	66
5.8.1	INTENSITY OF COMPETITIVE RIVALRY	67
5.8.2	BARGAINING POWER OF SUPPLIERS	67
5.8.3	BARGAINING POWER OF BUYERS	67
5.8.4	THREAT OF SUBSTITUTES	67
5.8.5	THREAT OF NEW ENTRANTS	67
5.9	KEY STAKEHOLDERS AND BUYING CRITERIA	68
5.9.1	KEY STAKEHOLDERS IN BUYING PROCESS	68
5.9.2	BUYING CRITERIA	69
5.10	CASE STUDY ANALYSIS	70
5.11	TRADE ANALYSIS	72
5.11.1	IMPORT SCENARIO (HS CODE 8415)	72
5.11.2	EXPORT SCENARIO (HS CODE 8415)	74
5.12	PATENT ANALYSIS	75
5.13	KEY CONFERENCES AND EVENTS, 2025-2026	77
5.14	TARIFF AND REGULATORY LANDSCAPE	78
5.14.1	TARIFF ANALYSIS	78
5.14.2	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	79

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5.14.3	HVAC STANDARDS	82
5.14.4	REGULATIONS/CERTIFICATIONS	82
5.15	PRICING ANALYSIS	83
5.15.1	INDICATIVE PRICING OF HVAC COMPONENTS, BY KEY PLAYER, 2024	83
5.15.2	AVERAGE SELLING PRICE TREND OF HVAC COMPONENTS, BY REGION, 2020-2024	84
5.16	IMPACT OF GEN AI/AI ON HVAC CONTROLS MARKET	84
6	TYPES OF HVAC CONTROLS	86
6.1	INTRODUCTION	86
6.2	DIRECT-ACTING SYSTEMS	86
6.3	ELECTRIC/ELECTRONIC SYSTEMS	86
6.4	PNEUMATIC CONTROL SYSTEMS	86
6.5	DIRECT DIGITAL CONTROL SYSTEMS	87
7	MODES OF HVAC CONTROLS	88
7.1	INTRODUCTION	88
7.2	OPEN-LOOP	88
7.3	CLOSED-LOOP	88
?		
8	SOLUTIONS OF HVAC CONTROLS	89
8.1	INTRODUCTION	89
8.2	PREDICTIVE MAINTENANCE SOLUTIONS	89
8.3	BUILDING AUTOMATION SYSTEMS	89
8.4	SECURITY & MONITORING DEVICES	90
8.5	CLOUD-BASED SOLUTIONS	90
9	HVAC CONTROLS MARKET, BY COMPONENT	91
9.1	INTRODUCTION	92
9.2	SENSORS	93
9.2.1	BY TYPE	98
9.2.1.1	Temperature sensors	99
9.2.1.1.1	Increasing adoption of Industry 4.0 and factory automation technologies to foster segmental growth	99
9.2.1.2	Humidity sensors	100
9.2.1.2.1	Rising focus of process industry players on creating optimal environments to fuel segmental growth	100
9.2.1.3	Occupancy sensors	101
9.2.1.3.1	Surging adoption of energy-saving and sustainable technologies to support segmental growth	101
9.2.1.4	Pressure sensors	102
9.2.1.4.1	Need for balanced airflow and improved ventilation control to boost demand	102
9.2.1.5	Flow sensors	103
9.2.1.5.1	Advancements in microcontrollers and remote communication technology to drive adoption	103
9.2.1.6	Other sensor types	104
9.2.2	BY CONNECTION TYPE	105
9.2.2.1	Wired sensors	106
9.2.2.1.1	Ability to reduce latency, bandwidth congestion, and radio interference issues to support segmental growth	106
9.2.2.2	Wireless sensors	106
9.2.2.2.1	Lower installation cost and enhanced connectivity to accelerate segmental growth	106
9.3	CONTROLLERS AND CONTROLLED EQUIPMENT	107
9.3.1	CONTROLLED EQUIPMENT	112
9.3.1.1	Control valves	112
9.3.1.1.1	Globe valves	114

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9.3.1.1.1.1	Increasing demand for energy-efficient HVAC systems with precise flow control to drive market	114
9.3.1.1.2	Ball valves	115
9.3.1.1.2.1	Growing use of automated building control systems to boost adoption	115
9.3.1.1.3	Butterfly valves	115
9.3.1.1.3.1	Cost-effectiveness and compact design to boost demand	115
9.3.1.1.4	PIC valves	115
9.3.1.1.4.1	Ability to offer high indoor comfort and energy efficiency to increase deployment	115
9.3.1.1.5	Intelligent valves	116
9.3.1.1.5.1	Integration of advanced algorithms and IoT-enabled systems in HVAC infrastructure to fuel demand	116
9.3.1.1.6	Rotary control valves	116
9.3.1.1.6.1	Need for precise flow modulation in air handling systems to heighten demand	116
9.3.1.1.7	Thermostatic radiator valves	117
9.3.1.1.7.1	Increasing deployment of hydronic heating systems in residential and commercial buildings to support segmental growth	117
9.3.1.1.8	Other control valve types	117
9.3.1.2	Heating & cooling coils	117
9.3.1.2.1	Elevating use in commercial applications to contribute to market growth	117
9.3.1.3	Dampers	118
9.3.1.3.1	Excellence in maintaining stable air pressure within buildings to elevate demand	118
9.3.1.4	Actuators	119
9.3.1.4.1	Use of advanced actuators in IoT-integrated HVAC controls for hydronic balancing to drive market	119
9.3.1.4.2	Linear actuators	120
9.3.1.4.3	Rotary actuators	120
9.3.1.5	Pumps & fans	120
9.3.1.5.1	Ability to support functions of chillers, boilers, cooling towers, and domestic water systems to facilitate adoption	120
9.3.2	SMART VENTS	121
9.3.2.1	Rising popularity of smart homes to spike demand	121
9.3.3	CONTROLLERS	122
9.3.3.1	Variable air volume controllers	124
9.3.3.1.1	Need for improved indoor air quality and comfort in commercial and residential buildings to drive demand	124
9.3.3.2	Fan coil unit controllers	124
9.3.3.2.1	Surging use of cost-effective and space-efficient HVAC solutions to increase adoption	124
9.3.3.3	Programmable logic controllers	124
9.3.3.3.1	Greater reliability, scalability, and energy optimization features to spur demand	124
9.3.3.3.2	Temperature control	125
9.3.3.3.3	Pressure control	125
9.3.3.3.4	Flow control	125
9.3.3.3.5	Zone control	125
9.3.3.4	Direct digital controllers	126
9.3.3.4.1	Growing trend toward smart buildings to fuel market growth	126
9.3.4	THERMOSTATS	126
9.3.4.1	Rising demand by homeowners on remote management and customized home temperature to contribute to segmental growth	126
9.3.4.2	Standalone thermostats	127
9.3.4.3	Communicating room thermostats	127
9.3.4.4	Capillary & clamp-on thermostats	128

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10	HVAC CONTROLS MARKET, BY CONTROL TYPE	129
10.1	INTRODUCTION	130
10.2	MANUAL	131
10.2.1	EASY MAINTENANCE AND TROUBLESHOOTING TO INCREASE ADOPTION BY FACILITIES WITH LIMITED BUDGETS	131
10.3	SMART AND AUTOMATED	131
10.3.1	SIGNIFICANT ADOPTION OF SMART HOME DEVICES TO FOSTER MARKET GROWTH	131
11	HVAC CONTROLS MARKET, BY SYSTEM	133
11.1	INTRODUCTION	134
11.2	TEMPERATURE CONTROL SYSTEMS	135
11.2.1	INCREASING DEMAND FOR ENERGY-EFFICIENT HVAC SOLUTIONS TO AUGMENT MARKET GROWTH	135
11.3	VENTILATION CONTROL SYSTEMS	136
11.3.1	STRICT GOVERNMENT REGULATIONS MANDATING INDOOR AIR QUALITY MONITORING TO DRIVE MARKET	136
11.4	HUMIDITY CONTROL SYSTEMS	136
11.4.1	INCREASING ADOPTION IN INDUSTRIES TO MAINTAIN PRODUCT QUALITY TO SUPPORT MARKET GROWTH	136
11.5	INTEGRATED CONTROL SYSTEMS	137
11.5.1	ELEVATING DEMAND FOR SEAMLESS BUILDING MANAGEMENT TO PROPEL MARKET	137
12	HVAC CONTROLS MARKET, BY IMPLEMENTATION TYPE	138
12.1	INTRODUCTION	139
12.2	NEW CONSTRUCTION	140
12.2.1	GOVERNMENT INVESTMENTS IN INFRASTRUCTURE DEVELOPMENT TO DRIVE MARKET	140
12.3	RETROFIT	141
12.3.1	GRATER EMPHASIS ON GREEN BUILDING INITIATIVES TO CONTRIBUTE TO MARKET GROWTH	141
?		
13	HVAC CONTROLS MARKET, BY END USER	143
13.1	INTRODUCTION	144
13.2	RESIDENTIAL	145
13.2.1	RAPID URBANIZATION TO ACCELERATE DEMAND FOR ENERGY-EFFICIENT HVAC CONTROLS	145
13.2.2	SINGLE-FAMILY HOMES	147
13.2.3	APARTMENTS	148
13.3	COMMERCIAL	148
13.3.1	SIGNIFICANT FOCUS OF COMMERCIAL BUILDINGS ON ENERGY EFFICIENCY AND COST SAVINGS TO FACILITATE ADOPTION	148
13.3.2	OFFICES	151
13.3.3	EDUCATION	151
13.3.4	HEALTHCARE	152
13.3.5	GOVERNMENT	152
13.3.6	RETAIL	152
13.3.7	HOSPITALITY	153
13.3.8	AIRPORTS	153
13.3.9	DATA CENTERS	153
13.4	INDUSTRIAL	154
13.4.1	STRONG NEED TO OPTIMIZE ENERGY CONSUMPTION TO EXPEDITE DEPLOYMENT	154
13.4.2	MANUFACTURING FACILITIES	157
13.4.3	WAREHOUSES	157
14	HVAC CONTROLS MARKET, BY REGION	158
14.1	INTRODUCTION	159
14.2	NORTH AMERICA	160
14.2.1	MACROECONOMIC OUTLOOK FOR NORTH AMERICA	161

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14.2.2	US	163
14.2.2.1	Increasing demand for energy-efficient and smart HVAC systems to drive market	163
14.2.3	CANADA	164
14.2.3.1	Government grants and incentives for energy-saving initiatives to promote adoption	164
14.2.4	MEXICO	165
14.2.4.1	Net-zero emission goals and green energy projects to support market growth	165
14.3	EUROPE	166
14.3.1	MACROECONOMIC OUTLOOK FOR EUROPE	166
14.3.2	UK	169
14.3.2.1	Substantial focus on mitigating energy waste and achieving sustainability targets to spur demand	169
	?	
14.3.3	GERMANY	170
14.3.3.1	Stringent energy efficiency regulations and sustainability efforts to accelerate demand	170
14.3.4	FRANCE	171
14.3.4.1	Increasing adoption of smart, IoT-enabled systems to meet sustainability and indoor air quality goals to drive market	171
14.3.5	ITALY	172
14.3.5.1	Enforcement of government programs to reduce carbon footprint to boost adoption	172
14.3.6	REST OF EUROPE	173
14.4	ASIA PACIFIC	174
14.4.1	MACROECONOMIC OUTLOOK FOR ASIA PACIFIC	174
14.4.2	CHINA	177
14.4.2.1	Government-led energy efficiency initiatives to escalate demand	177
14.4.3	JAPAN	178
14.4.3.1	Stringent regulations for energy conservation to foster market growth	178
14.4.4	SOUTH KOREA	179
14.4.4.1	Sustainable building practices to create growth opportunities	179
14.4.5	INDIA	179
14.4.5.1	Increasing smart city projects to support market growth	179
14.4.6	REST OF ASIA PACIFIC	180
14.5	ROW	181
14.5.1	MACROECONOMIC OUTLOOK FOR ROW	181
14.5.2	MIDDLE EAST	183
14.5.2.1	Regulatory framework promoting green initiatives to create potential for market growth	183
14.5.2.2	GCC	184
14.5.2.3	Rest of Middle East	184
14.5.3	AFRICA	185
14.5.3.1	Strategic R&D expansion of leading players to create growth potential	185
14.5.4	SOUTH AMERICA	186
14.5.4.1	Increasing investments in infrastructure development to fuel market growth	186
15	COMPETITIVE LANDSCAPE	187
15.1	OVERVIEW	187
15.2	KEY PLAYER STRATEGIES/RIGHT TO WIN, JANUARY 2022-DECEMBER 2024	187
15.3	REVENUE ANALYSIS, 2020-2024	190
15.4	MARKET SHARE ANALYSIS, 2024	190
15.5	COMPANY VALUATION AND FINANCIAL METRICS, 2024	193
15.6	BRAND COMPARISON	194
15.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	195

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15.7.1	STARS	195
15.7.2	EMERGING LEADERS	195
15.7.3	PERVASIVE PLAYERS	195
15.7.4	PARTICIPANTS	195
15.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	197
15.7.5.1	Company footprint	197
15.7.5.2	Region footprint	198
15.7.5.3	Component footprint	199
15.7.5.4	Implementation type footprint	200
15.7.5.5	End user footprint	201
15.7.5.6	Control type footprint	202
15.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	203
15.8.1	PROGRESSIVE COMPANIES	203
15.8.2	RESPONSIVE COMPANIES	203
15.8.3	DYNAMIC COMPANIES	203
15.8.4	STARTING BLOCKS	203
15.8.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	205
15.8.5.1	Detailed list of key startups/SMEs	205
15.8.5.2	Competitive benchmarking of key startups/SMEs	205
15.9	COMPETITIVE SCENARIO	206
15.9.1	PRODUCT LAUNCHES	206
15.9.2	DEALS	210
15.9.3	OTHER DEVELOPMENTS	213
16	COMPANY PROFILES	214
16.1	KEY PLAYERS	214
16.1.1	HONEYWELL INTERNATIONAL INC.	214
16.1.1.1	Business overview	214
16.1.1.2	Products/Solutions/Services offered	216
16.1.1.3	Recent developments	217
16.1.1.3.1	Product launches/developments	217
16.1.1.3.2	Deals	218
16.1.1.4	MnM view	218
16.1.1.4.1	Key strengths/Right to win	218
16.1.1.4.2	Strategic choices	219
16.1.1.4.3	Weaknesses/Competitive threats	219
16.1.2	JOHNSON CONTROLS	220
16.1.2.1	Business overview	220
16.1.2.2	Products/Solutions/Services offered	221
16.1.2.3	Recent developments	222
16.1.2.3.1	Product launches/developments	222
16.1.2.3.2	Deals	223
16.1.2.3.3	Other developments	224
16.1.2.4	MnM view	224
16.1.2.4.1	Key strengths/Right to win	224
16.1.2.4.2	Strategic choices	224
16.1.2.4.3	Weaknesses/Competitive threats	224
16.1.3	SIEMENS	225

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16.1.3.1	Business overview	225
16.1.3.2	Products/Solutions/Services offered	227
16.1.3.3	Recent developments	228
16.1.3.3.1	Product launches/developments	228
16.1.3.4	MnM view	228
16.1.3.4.1	Key strengths/Right to win	228
16.1.3.4.2	Strategic choices	228
16.1.3.4.3	Weaknesses/Competitive threats	228
16.1.4	EMERSON ELECTRIC CO.	229
16.1.4.1	Business overview	229
16.1.4.2	Products/Solutions/Services offered	231
16.1.4.3	Recent developments	232
16.1.4.3.1	Product launches/developments	232
16.1.4.4	MnM view	232
16.1.4.4.1	Key strengths/Right to win	232
16.1.4.4.2	Strategic choices	232
16.1.4.4.3	Weaknesses/Competitive threats	233
16.1.5	SCHNEIDER ELECTRIC	234
16.1.5.1	Business overview	234
16.1.5.2	Products/Solutions/Services offered	236
16.1.5.3	Recent developments	237
16.1.5.3.1	Product launches/developments	237
16.1.5.3.2	Deals	237
16.1.5.4	MnM view	238
16.1.5.4.1	Key strengths/Right to win	238
16.1.5.4.2	Strategic choices	238
16.1.5.4.3	Weaknesses/Competitive threats	238
16.1.6	CARRIER	239
16.1.6.1	Business overview	239
16.1.6.2	Products/Solutions/Services offered	241
16.1.6.3	Recent developments	241
16.1.6.3.1	Product launches/developments	241
16.1.6.3.2	Deals	242
16.1.7	DAIKIN INDUSTRIES, LTD.	243
16.1.7.1	Business overview	243
16.1.7.2	Products/Solutions/Services offered	245
16.1.7.3	Recent developments	245
16.1.7.3.1	Product launches/developments	245
16.1.7.3.2	Deals	246
16.1.8	TRANE TECHNOLOGIES PLC	247
16.1.8.1	Business overview	247
16.1.8.2	Products/Solutions/Services offered	248
16.1.8.3	Recent developments	249
16.1.8.3.1	Product launches/developments	249
16.1.8.3.2	Deals	250
16.1.9	DANFOSS	251
16.1.9.1	Business overview	251

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16.1.9.2	Products/Solutions/Services offered	253
16.1.9.3	Recent developments	253
16.1.9.3.1	Product launches/developments	253
16.1.9.3.2	Deals	254
16.1.10	LENNOX INTERNATIONAL INC.	255
16.1.10.1	Business overview	255
16.1.10.2	Products/Solutions/Services offered	256
16.1.10.3	Recent developments	257
16.1.10.3.1	Deals	257
16.1.11	LG ELECTRONICS	258
16.1.11.1	Business overview	258
16.1.11.2	Products/Solutions/Services offered	260
16.1.12	MITSUBISHI ELECTRIC CORPORATION	261
16.1.12.1	Business overview	261
16.1.12.2	Products/Solutions/Services offered	262
16.1.12.3	Recent developments	263
16.1.12.3.1	Deals	263
16.1.13	FR. SAUTER AG	264
16.1.13.1	Business overview	264
16.1.13.2	Products/Solutions/Services offered	264
16.1.13.3	Recent developments	265
16.1.13.3.1	Product launches/developments	265
16.1.13.3.2	Deals	265
16.1.14	BOSCH THERMOTECHNOLOGY CORP.	266
16.1.14.1	Business overview	266
16.1.14.2	Products/Solutions/Services offered	267
16.1.14.3	Recent developments	268
16.1.14.3.1	Deals	268
16.1.15	EATON	269
16.1.15.1	Business overview	269
16.1.15.2	Products/Solutions/Services offered	270
?		
16.1.16	BELIMO AIRCONTROLS (USA), INC.	271
16.1.16.1	Business overview	271
16.1.16.2	Products/Solutions/Services offered	273
16.2	OTHER PLAYERS	274
16.2.1	ASTRONICS CORPORATION	274
16.2.2	OJ ELECTRONICS A/S	275
16.2.3	REGIN CONTROLS	276
16.2.4	AZBIL CORPORATION	277
16.2.5	COMPUTROLS, INC.	278
16.2.6	CUBIC SENSOR AND INSTRUMENT CO., LTD.	278
16.2.7	RELIABLE CONTROLS CORPORATION	279
16.2.8	DELTA INTELLIGENT BUILDING TECHNOLOGIES INC.	280
16.2.9	DISTECH CONTROLS INC.	281
16.2.10	KMC CONTROLS	282
16.2.11	JACKSON SYSTEMS	283

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17 APPENDIX 284

17.1 DISCUSSION GUIDE 284

17.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 287

17.3 CUSTOMIZATION OPTIONS 289

17.4 RELATED REPORTS 289

17.5 AUTHOR DETAILS 290

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