Smart Thermostat Market by Component, Network Connectivity (Wired, Wireless), Application (Residential, Office Building, Industrial Building, Educational Institutional, Retail, Hospitality, and Healthcare), and Geography - Forecast to 2020

Description: Smart thermostats are automation devices connected with HVAC systems to control the heating and cooling systems within an area. Thermostats have been in use since 1885, but with the introduction of programmable thermostats in 1906, their usage has increased. A typical smart thermostat includes a display unit, motion sensor, temperature sensor, humidity sensor, and other components which include ring and wiring of the smart thermostat.

Smart thermostats are costly as compared to conventional thermostats; therefore, at present, the market size of smart thermostats is not very large. However, in the coming years it is expected to grow at a high CAGR of 31.82% between 2015 and 2020. The high energy saving and decrease in energy wastage offered by these devices has led to increased awareness among consumers, which has boosted its adoption in recent times. North America held the major share in the smart thermostat market in 2014. However, the European market is expected to grow at the highest CAGR during the forecast period. The key players in this market include Nest Labs (U.S.), Honeywell International (U.S.), Ecobee (Canada), Schneider Electric SE (France), Emerson Electric Co. (U.S.), Tado (Germany), Control4 Corporation (U.S.), Ingersoll Rand (Ireland), Carrier Corporation (U.S.), and Nortek, Inc. (France).

This research study segments the smart thermostat market on the basis of components, network connectivity, applications, and geography. It also provides revenue forecast, and analyzes the trends in the market. The geographical analysis contains an in-depth classification for North America, Europe, APAC, and Rest of the World (RoW) and highlights the high-growth regions in these geographies. The report also analyzes the market dynamics such as drivers, restraints, opportunities, current market trends, and the technologies that are expected to revolutionize the smart thermostat market. It includes a competitive landscape of the key players in the smart thermostat market with detailed market ranking analysis and describes the growth strategies such as mergers and acquisitions, collaborations, partnerships, new product developments, and others adopted by the market players.

Contents:
1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Market Scope
      1.3.1 Markets Covered
      1.3.2 Geographic Scope
      1.3.3 Years Considered for the Study
   1.4 Currency and Pricing
   1.5 Limitation
   1.6 Stakeholders

2 Research Methodology
   2.1 Research Data
      2.1.1 Secondary Data
         2.1.1.1 Key Data From Secondary Sources
      2.1.2 Primary Data
         2.1.2.1 Key Data From Primary Sources
         2.1.2.2 Key Industry Insights
         2.1.2.3 Breakdown of Primaries: By Company Type, Designation, and Region
   2.2 Market Size Estimation
      2.2.1 Bottom-Up Approach
      2.2.2 Top-Down Approach
   2.3 Market Breakdown and Data Triangulation
2.4 Research Assumptions and Limitations
   2.4.1 Assumptions
   2.4.2 Limitations

3 Executive Summary

4 Premium Insights
   4.1 Attractive Growth Opportunity in the Market
   4.2 Market, By Application
   4.3 Market in Europe, 2014
   4.4 U.S. Accounted for the Highest Market Share in the Market in 2014
   4.5 Residential Application of Smart Thermostat is Expected to Grow at the Highest CAGR Between 2015 and 2020

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
   5.3 Market Dynamics
      5.3.1 Drivers
         5.3.1.1 Increasing Demand for Energy-Efficient Devices
         5.3.1.2 Growth of the Smart Home Market
         5.3.1.3 Configurable and Programmable Thermostat
      5.3.2 Restrains
         5.3.2.1 False Trigging of Switches By Sensors
         5.3.2.2 Incompatibility Issues in Wireless Networks
      5.3.3 Opportunity
         5.3.3.1 Demand for Self-Learning Automated Devices
      5.3.4 Challenge
         5.3.4.1 Ability to Work Offline

6 Industry Trends
   6.1 Introduction
   6.2 Value Chain Analysis
   6.3 Porter's Five Force Analysis
      6.3.1 Threat of New Entrants
      6.3.2 Threat of Substitutes
      6.3.3 Bargaining Power of Suppliers
      6.3.4 Bargaining Power of Buyers
      6.3.5 Degree of Competition

7 Smart Thermostat Market, By Component
   7.1 Introduction
      7.1.1 Display
      7.1.2 Temperature Sensor
      7.1.3 Humidity Sensor
      7.1.4 Motion Sensor
      7.1.5 Others

8 Smart Thermostat Market, By Network Technology
   8.1 Introduction
      8.1.1 Wired Networking
      8.1.2 Wireless Network
         8.1.2.1 Wi-Fi
         8.1.2.2 Zigbee
         8.1.2.3 Z-Wave
         8.1.2.4 Bluetooth

9 Smart Thermostat Market, By Application
   9.1 Introduction
      9.1.1 Residential
      9.1.2 Office Building
      9.1.3 Educational Buildings
      9.1.4 Industrial Building
9.1.5 Retail
9.1.6 Hospitality
9.1.7 Healthcare

10 Geographic Analysis
10.1 Introduction
10.1.1 North America
10.1.2 Europe
10.1.3 Asia-Pacific
10.1.4 Rest of the World

11 Competitive Landscape
11.1 Overview
11.2 Market Ranking Analysis
11.3 Competitive Situation and Trends
  11.3.1 New Product Launches
  11.3.2 Agreements, Partnerships, and Collaborations
  11.3.3 Mergers and Acquisitions
  11.3.4 Other Developments

12 Company Profile
(Company at A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments)*
  12.1 Nest Labs, Inc.
  12.2 Honeywell International Inc.
  12.3 Ecobee, Inc.
  12.4 Emerson Electric Co.
  12.5 Schneider Electric SE
  12.6 Tado GmbH
  12.7 Control4 Corporation
  12.8 Ingersoll Rand PLC
  12.9 Carrier Corporation
  12.10 Nortek, Inc.

*Details on Company at A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
  13.1 Insights of Industry Experts
  13.2 Discussion Guide
  13.3 Introducing RT: Real-Time Market Intelligence
  13.4 Available Customizations
  13.5 Related Reports

List of Tables
Table 1 Smart Thermostat Market Size By Value and Volume, 2014-2020
Table 2 Drivers: Impact Analysis
Table 3 Market Size, By Component, 2014 - 2020 (USD Million)
Table 4 Market Size, By Network Connectivity, 2014-2020 (USD Million)
Table 5 Wireless Network Connectivity Market Size, By Technology, 2014 - 2020 (USD Million)
Table 6 Market Size, By Application, 2014 - 2020 (USD Million)
Table 7 Market for Residential Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 8 Market for Residential Application, By Region, 2014 - 2020 (USD Million)
Table 9 North America: Market for Residential Application Market, By Country, 2014 - 2020 (USD Million)
Table 10 Europe: Market for Residential Application, By Country, 2014 - 2020 (USD Million)
Table 11 APAC: Market for Residential Application, By Country, 2014 - 2020 (USD Million)
Table 12 RoW: Market for Residential Application, By Region, 2014 - 2020 (USD Million)
Table 13 Market for Office Building Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 14 Market for Office Building Application, By Region, 2014 - 2020 (USD Million)
Table 15 North America: Market for Office Building Application, By Country, 2014 - 2020 (USD Million)
Table 16 Europe: Market for Office Building Application, By Country, 2014 - 2020 (USD Million)
Table 17 APAC: Market for Office Building Application, By Country, 2014 - 2020 (USD Million)
Table 18 RoW: Market for Office Building Application, By Region, 2014 - 2020 (USD Million)
Table 19 Market for Educational Building Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 20 Market for Educational Building Application, By Region, 2014 - 2020 (USD Million)
Table 21 Educational Building Application Market By North America, 2014 - 2020 (USD Million)
Table 22 Europe: Market for Educational Building Application, By Country, 2014 - 2020 (USD Million)
Table 23 APAC: Market for Educational Building Application, By Country, 2014 - 2020 (USD Million)
Table 24 RoW: Market for Educational Building Application, By Region, 2014 - 2020 (USD Million)
Table 25 Market for Industrial Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 26 Market for Industrial Building Application, By Geography, 2014 - 2020 (USD Million)
Table 27 North America: Market for Industrial Building Application Market, By Country, 2014 - 2020 (USD Million)
Table 28 Europe: Market for Industrial Building Application, By Country, 2014 - 2020 (USD Million)
Table 29 APAC: Market for Industrial Building Application, By Country, 2014 - 2020 (USD Million)
Table 30 RoW: Market for Industrial Building Application, By Region, 2014 - 2020 (USD Million)
Table 31 Market for Retail Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 32 Market for Retail Application, By Region, 2014 - 2020 (USD Million)
Table 33 North America: Market for Retail Application, By Country, 2014 - 2020 (USD Million)
Table 34 Europe: Market for Retail Application, By Country, 2014 - 2020 (USD Million)
Table 35 APAC: Market for Retail Application, By Country, 2014 - 2020 (USD Million)
Table 36 RoW: Market for Retail Application, By Region, 2014 - 2020 (USD Million)
Table 37 Market for Hospitality Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 38 Market for Hospitality Application, By Region, 2014 - 2020 (USD Million)
Table 39 North America: Market for Hospitality Application, By Country, 2014 - 2020 (USD Million)
Table 40 Europe: Market for Hospitality Application, By Country, 2014 - 2020 (USD Million)
Table 41 APAC: Market for the Hospitality Application, By Country, 2014 - 2020 (USD Million)
Table 42 RoW: Market for Hospitality Application, By Region, 2014 - 2020 (USD Million)
Table 43 Market for Healthcare Application, By Network Connectivity, 2014 - 2020 (USD Million)
Table 44 Market for Healthcare Application, By Region, 2014 - 2020 (USD Million)
Table 45 North America: Market for Healthcare Application, By Country, 2014 - 2020 (USD Million)
Table 46 Europe: Market for Healthcare Application, By Country, 2014 - 2020 (USD Million)
Table 47 APAC: Market for Healthcare Application, By Country, 2014 - 2020 (USD Million)
Table 48 RoW: Market for Healthcare Application, By Region, 2014 - 2020 (USD Million)
Table 49 Market Size, By Region, 2014 - 2020 (USD Million)
Table 50 North America: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 51 U.S.: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 52 Canada: Market Size, By Application, 2014 - 2020 (USD Million)
Table 53 Mexico: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 54 North America: Market Size, By Country, 2014 - 2020 (USD Million)
Table 55 Europe: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 56 U.K.: Market Size, By Application, 2014 - 2020 (USD Million)
Table 57 France: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 58 Germany: Market Size, By Application, 2014 - 2020 (USD Million)
Table 59 Rest of Europe: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 60 Europe: Smart Thermostat Market Size, By Country, 2014 - 2020 (USD Million)
Table 61 APAC: Market Size, By Application, 2014-2020 (USD Million)
Table 62 China: Market Size, By Application, 2014 - 2020 (USD Million)
Table 63 Japan: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 64 South Korea: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 65 Others: Market Size, By Application, 2014 - 2020 (USD Million)
Table 66 APAC: Market Size, By Country, 2014 - 2020 (USD Million)
Table 67 RoW: Market Size, By Application, 2014 - 2020 (USD Million)
Table 68 South America: Market Size, By Application, 2014 - 2020 (USD Million)
Table 69 Middle East and Africa: Smart Thermostat Market Size, By Application, 2014 - 2020 (USD Million)
Table 70 RoW: Smart Thermostat Market Size, By Country, 2014 - 2020 (USD Million)
Table 71 Market Ranking Analysis for Market, 2014
Table 72 New Product Launches, 2015
Table 73 Agreements, Partnerships, and Collaborations, 2014 - 2015
Table 74 Mergers and Acquisitions, 2013-2015
Table 75 Other Developments, 2013 - 2015

List of Figures

Figure 1 Research Design
Figure 2 Market Size Estimation Methodology: Bottom-Up Approach
Figure 3 Market Size Estimation Methodology: Top-Down Approach
Figure 4 Data Triangulation Methodology
Figure 5 Assumptions of the Research Study
Figure 6 Limitations of the Research Study
Figure 7 Market Snapshot (2015 vs 2020): Residential Application is Expected to Hold the Largest Market Size During the Forecast Period
Figure 8 Global Smart Thermostat Market, By Application, 2014
Figure 9 Market, By Network Technology, 2015 vs 2020
Figure 10 Smart Thermostat Wireless Network Technology Market, 2015 vs 2020
Figure 11 Global Market Share, By Region, 2014
Figure 12 Smart Thermostat is Expected to Have A Very High Rate of Adoption During the Forecast Period
Figure 13 Residential Application is Expected to Grow With Highest CAGR for Smart Thermostat Between 2015 and 2020
Figure 14 U.K. Accounted for the Largest Market Share in European Market in 2014
Figure 15 U.S. Had the Largest Market Share for Smart Thermostat in 2014
Figure 16 Smart Thermostat is Expected to Have the Highest Rate of Adoption in the Residential Application During the Forecast Period
Figure 17 Smart Thermostat Market, By Component
Figure 18 Market, By Network Connectivity
Figure 19 Market, By Application
Figure 20 Demand for Energy-Efficient Devices and Growth of the Smart Home Market are Likely to Drive the Market
Figure 21 Value Chain Analysis for the Market
Figure 22 Porter's Five Force Analysis for the Market
Figure 23 Porter's Five Forces Impact Analysis
Figure 24 Threat of New Entrants
Figure 25 Threat of Substitutes
Figure 26 Bargaining Power of Suppliers
Figure 27 Bargaining Power of Buyers
Figure 28 Degree of Competition
Figure 29 Display is Expected to Grow at the Highest CAGR Between 2015 and 2020
Figure 30 The Wireless Thermostat Holds the Largest Share of the Market in 2014
Figure 31 The Wi-Fi Technology Holds the Largest Share Among All Networking Technologies in 2014
Figure 32 The Residential Application Had the Largest Market Size in Terms of Value in 2014
Figure 33 The U.K. Held the Largest Market Size of the European Market for the Residential Application in 2014
Figure 34 Japanese Market for Office Building Application is Expected to Grow at the Highest CAGR Between 2015 and 2020
Figure 35 The Middle East Held the Largest Market Size for Educational Building Application in 2014
Figure 36 The Market for Industrial Application in Germany is Expected to Grow at the Highest CAGR Between 2015 and 2020
Figure 37 U.S. Dominates the Retail Application Market in North America in 2014
Figure 38 Smart Thermostat Market: Geographic Snapshot (2014)
Figure 39 North America: Geographic Snapshot (2014)
Figure 40 Europe: Geographic Snapshot (2014)
Figure 41 Companies Adopted New Product Launch as A Key Strategy Over the Last Three Years (2013-2015)
Figure 42 Battle for Market Share: New Product Launches Was the Key Strategy
Figure 43 Geographic Revenue Mix of Top Market Players
Figure 44 SWOT Analysis: Nast Labs, Inc.
Figure 45 Honeywell International, Inc.: Company Snapshot
Figure 46 SWOT Analysis: Honeywell International, Inc.
Figure 47 SWOT Analysis: Ecobee, Inc.
Figure 48 Emerson Electric Co.: Company Snapshot
Figure 49 SWOT Analysis: Emerson Electric Co.
Figure 50 Schneider Electric SE: Company Snapshot
Figure 51 SWOT Analysis: Schneider Electric SE
Figure 52 Control4 Corporation: Company Snapshot
Figure 53 Ingersoll Rand PLC: Company Snapshot
Figure 54 Nortek, Inc.: Company Snapshot
Ordering:

Order Online -  http://www.researchandmarkets.com/reports/3422621/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

- **Product Name:** Smart Thermostat Market by Component, Network Connectivity (Wired, Wireless), Application (Residential, Office Building, Industrial Building, Educational Institutional, Retail, Hospitality, and Healthcare), and Geography - Forecast to 2020
- **Web Address:** [http://www.researchandmarkets.com/reports/3422621/](http://www.researchandmarkets.com/reports/3422621/)
- **Office Code:** SCPL6ZDD

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format Type</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>☐️</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td>☐️</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td>☐️</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>☐️</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

- **Title:**
  - [ ] Mr
  - [ ] Mrs
  - [ ] Dr
  - [ ] Miss
  - [ ] Ms
  - [ ] Prof

- **First Name:** ____________________________

- **Last Name:** ____________________________

- **Email Address:** *

- **Job Title:** ____________________________

- **Organisation:** ____________________________

- **Address:** ____________________________

- **City:** ____________________________

- **Postal / Zip Code:** ____________________________

- **Country:** ____________________________

- **Phone Number:** ____________________________

- **Fax Number:** ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number  833 130 83
Sort code        98-53-30
Swift code       ULSBIE2D
IBAN number      IE78ULSB98533083313083
Bank Address     Ulster Bank,
                 27-35 Main Street,
                 Blackrock,
                 Co. Dublin,
                 Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp