

## **Pressure Switch - Company Evaluation Report, 2024**

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### **Report description:**

The Pressure Switch Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Pressure Switch. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and industry trends. MarketsandMarkets 360 Quadrants evaluated over 112 companies, of which the Top 12 Pressure Switch Companies were categorized and recognized as quadrant leaders.

A pressure switch is a critical sensing device that automatically operates an electrical contact once a specific fluid (liquid or gas) pressure is reached. In essence, it translates a physical pressure input into an electrical on/off signal. This function is vital for the monitoring and control of pressurized systems, where the switch can trigger alarms, activate pumps or compressors, or shut down equipment to maintain safe and efficient operation. Available in both mechanical and more advanced electronic forms, these switches are ubiquitous components in industrial machinery, automotive systems, and HVAC equipment.

The demand for pressure switches is consistently driven by the widespread need for automation and safety in industrial processes. They are fundamental components in hydraulic and pneumatic systems, water pumps, and air compressors, providing reliable overpressure protection and process control. The ongoing global trend towards the Industrial Internet of Things (IIoT) and smart manufacturing is fueling the growth of electronic pressure switches, which offer higher accuracy, programmability, remote monitoring capabilities, and better integration with digital control systems than their mechanical counterparts.

Despite their utility, the pressure switch market faces challenges. A significant threat comes from the increasing adoption of more sophisticated pressure transmitters, which provide a continuous, variable output signal rather than a simple on/off state, offering more detailed data for advanced process control. Traditional mechanical switches can also suffer from issues like setpoint drift over time, requiring periodic recalibration, and have a finite mechanical lifespan. The market for standard switches is highly competitive and price-sensitive, which can erode profit margins for manufacturers.

The 360 Quadrant maps the Pressure Switch companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the PRESSURE SWITCH quadrant. The top criteria for product footprint evaluation included

#### **Key Players:**

Major vendors in the Pressure Switch market are ABB (Switzerland), Eaton (Ireland), Emerson Electric Co. (US), Danfoss A/S (Denmark), Parker Hannifin Corp (US), Siemens (Germany), PARKER HANNIFIN CORP (US), LEFOO INDUSTRIAL CO., LTD. (China), WIKA Alexander Wiegand SE & Co. KG (Germany), Honeywell International Inc. (US), Fox S.R.L. (Italy), Bosch Rexroth (India) Private Limited (India). The key strategies major vendors implement in the Pressure Switch market are partnerships,

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collaborations, product launches, and product enhancements.

#### ABB

ABB is a leading global technology company energizing the transformation of society and industry. The Swiss-based powerhouse operates across four key business areas: Electrification, Motion, Process Automation, and Robotics. Its strategy focuses on driving growth in high-demand segments like e-mobility, data centers, and renewable energy integration. Through its ABB Ability digital platform, the company provides solutions that enhance energy efficiency and productivity for its customers worldwide. This combination of deep domain expertise and digital innovation solidifies ABB's position as a critical enabler of a more sustainable and resource-efficient future.

#### Eaton

Eaton is a global intelligent power management company dedicated to improving the quality of life and protecting the environment. Its primary business segments, Electrical and Aerospace, provide critical solutions for power distribution, quality, and control, alongside advanced systems for aircraft. Strategically, Eaton is leveraging its deep expertise to capitalize on the global trends of electrification and the energy transition, with its eMobility segment being a key growth driver. By providing solutions that make power safer, more efficient, and more sustainable, Eaton maintains its leadership position in powering businesses and communities worldwide.

#### Emerson Electric Co.

Emerson is a global industrial software and technology leader focused squarely on automation. Following strategic portfolio changes, including the major acquisition of National Instruments, the company provides essential technologies for process and discrete industries. Its core offerings include measurement instrumentation, control systems, and software that help customers improve efficiency, safety, and sustainability. Emerson's strategy is to be a premier, high-growth automation partner, enabling the digital transformation and decarbonization of critical industries like energy, life sciences, and chemicals, thereby maintaining its position at the forefront of industrial innovation.

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