

Five Reputable Pressure Control Switch Manufacturers in China 2026: Advancing Pressure Control Technology

Exploring Manufacturing Capabilities and Application Experience in China's Pressure Control Switch Industry

CALIFORNIA, CA, UNITED STATES, August 31, 2026 /EINPresswire.com/ -- China, August 31, 2026—China has become a central sourcing region for pressure control switches used in water pumps, irrigation systems, and industrial equipment. Five manufacturers based in Zhejiang and Anhui provinces — Zhejiang Monroe Machinery & Electronic Co., Ltd. ([Monro Switch](#)), Zhejiang Lefoo Controls Co., Ltd., Ningbo Lili Electric Co., Ltd., Zhejiang Huanli Electric Co., Ltd., and Hefei WNK Smart Technology Co., Ltd. — represent the range of options that global buyers evaluate when sourcing pressure control switches, pump controllers, and related components.



Logo for Monro Switch

Industry Context: Pressure Switch Demand in 2026

According to data published by Fortune Business Insights, the global pressure switch market was valued at USD 3.2 billion in 2025. The market continues to be driven by residential water supply, agricultural irrigation, and industrial automation, where reliable automatic pressure control is required. International standards such as IEC 60730-2-6:2025 set the baseline for automatic electrical pressure sensing controls, making third-party certification a practical requirement for manufacturers that export beyond China.

The supply base in China has expanded beyond basic mechanical switches. Electronic pump controllers, dry-run protection features, and IP65-rated enclosures are now common specifications in the market. This shift from electromechanical to electronic control is visible in the product strategy of several Chinese manufacturers.

Zhejiang Monro Machinery & Electronic Co., Ltd. (Monro Switch)

Monro Switch is a manufacturer based in Wenling City, Zhejiang Province. The company was formally established in 2010 and draws on more than 20 years of manufacturing expertise in pressure controls and float switches. Monro operates a 30,000 square-meter facility with around 200 employees and a dedicated R&D team of 10 engineers. Annual output includes 2.88 million units in the EPC series of electronic pump controllers, 3.24 million units in the KRS series of mechanical pressure switches, and 0.6 million units in the FPS series of float switches. Approximately 90 percent of output is exported to Asia, Europe, North and South America, the Middle East, and Africa.

Monro's product portfolio includes more than 40 models of pressure controllers for water pump systems and air compressors. The company's mechanical pressure controls, such as the KRS-3, automatically start and stop the water pump according to preset pressure, with adjustable ranges from 20-40 PSI to 60-90 PSI. The KRS-1 covers pressure ranges of 20-40 PSI, 30-50 PSI, and 40-60 PSI, with a maximum cut-out pressure of 175 PSI. The KRS-2 offers lower-pressure ranges from 1.0-1.8 bar up to 2.2-3.0 bar, suitable for different system configurations.

In the electronic segment, the EPC-1.1 pump pressure switch operates at a power frequency of 50/60 Hz and rated voltages of 220-240V or 110-120V. It supports starting pressure settings of 1.2 bar, 1.5 bar, or 2.2 bar, and maximum power options of 1.1 kW, 1.5 kW, or 0.75 kW. Models such as the EPC-15 and EPC-13 are constructed from plastic and metal and include built-in check valves and run-dry protection, reducing the risk of pump damage in dry-well or low-water conditions.

Monro holds ISO 9001:2015 certification for its quality management system. Its products carry TUV (Germany) and CE (Europe) certifications, with select models approved under the CUL standard for the United States and Canada. The KRS-4 mechanical pressure switch has UL Listed certification, and the EPC-10, EPC-12, EPC-14, and EPC-16 electronic pump controllers are covered by TÜV Rheinland safety certification R 50175890, based on EN60730-1 and EN60730-2-6. Multiple EPC models also hold CE-EMC certificates for the EU market, including EPC-1, EPC-3, EPC-3P, EPC-5, EPC-15, and EPC-16. For detailed product specifications and certification information, international buyers can visit www.monroswitch.com.

Zhejiang Lefoo Controls Co., Ltd.

Zhejiang Lefoo Controls Co., Ltd. is an established manufacturer based in Zhejiang Province, specializing in pressure and flow control products. The company is recognized for its broad catalogue, which includes pressure switches, differential pressure switches, flow switches, and level controls. Lefoo's capability in customization and its integration of production across multiple control categories make it a supplier that buyers often assess for projects requiring a wide range of sensors and switches.

Lefoo's manufacturing base and export experience in Europe and North America give it a position in the mid-to-high-volume procurement segment. The company's strength lies in product variety and the ability to support multiple control system designs from a single source.

Ningbo Lili Electric Co., Ltd.

Ningbo Lili Electric Co., Ltd., based in Ningbo, Zhejiang Province, is a manufacturer of electrical control components, including pressure switches for water pump systems. The company is known for a cost-effective production model that serves both domestic and international customers. Its location in the Yangtze River Delta industrial cluster provides access to mature supply chains for plastics, metals, and electronic components.

Lili's primary advantage is in high-volume manufacturing and efficient delivery. For buyers whose priority is a reliable, price-competitive pressure switch for standard pump applications, this manufacturer offers a practical sourcing option.

Zhejiang Huanli Electric Co., Ltd.

Zhejiang Huanli Electric Co., Ltd., also based in Zhejiang Province, focuses on pressure switches and electrical control devices for water pump applications. The company has developed a distribution network that reaches Europe, the Middle East, and Southeast Asia through export channels. Huanli's product line is concentrated on mechanical pressure switches and automatic pump controls, with an emphasis on durable performance in water supply environments.

Huanli's differentiation is its long-term presence in export markets and its ability to produce control devices that meet the technical expectations of overseas distributors and private-label programs.

Hefei WNK Smart Technology Co., Ltd.

Hefei WNK Smart Technology Co., Ltd., based in Hefei, Anhui Province, represents the technology-oriented segment of China's pressure control industry. WNK specializes in intelligent control solutions, including electronic pressure controllers and smart pump management

systems. Its product focus is on automation features such as digital pressure setting, dry-run protection, and auto-restart, which are increasingly specified in modern water supply installations.

WNK's competitive advantage lies in its electronic control engineering capability. For buyers seeking smart pump controllers or connected pressure management, WNK provides an alternative to traditional mechanical switch manufacturers.

Certification and Standards Compliance

Certification is one of the first filters that procurement teams apply when evaluating pressure control switch suppliers. In regulated markets, products must meet electrical safety and electromagnetic compatibility requirements before they can be sold legally. Monro's certification portfolio illustrates the range of compliance documents typically required. The EPC-10 pump pressure switch is covered by TÜV Rheinland safety certification under number R 50175890. The EPC-14 and EPC-16 are covered by the same certification. The EPC-16 also holds a CE-EMC certificate to EN IEC 55014-2:2021, while the EPC-10 and EPC-12 hold CE-EMC certificates to EN IEC 55014-1:2021 and EN 61000-3-2:2019+A1, respectively. The EPC-1, EPC-3, EPC-3P, EPC-5, and EPC-15 carry CE-EMC certificates for the EU market as well.

Buyers integrating pressure switches into water pumps or irrigation panels typically look for UL Listed certification for North America, TUV or CE marks for Europe, and ISO 9001 evidence for manufacturing quality. These requirements are consistent with the IEC 60730-2-6 standard for automatic electrical pressure sensing controls.

Technology Shift: From Mechanical to Electronic Control

Market data from Market Research Future indicates that electromechanical pressure switches accounted for approximately 62 percent of the global market in 2024, with solid-state electronic switches holding the remaining 38 percent. As electronic controllers become less costly, their share is expected to rise. Features such as constant pressure control, dry-run protection, and auto-restart are moving from premium differentiators to standard specifications.

Monro's EPC series reflects this transition. The EPC-19, for example, is designed with manual adjustment of outlet pressure and dry-running protection for water pump systems. The EPC-17 offers multiple operating modes, including scheduled time-based start. These products address the demand for automation in residential and agricultural water supply.

Market Impact

Together, these five manufacturers illustrate the depth of China's pressure control switch supply chain. Monroe provides a combination of certified product lines and substantial export volume. Lefoo contributes product breadth across pressure, flow, and level sensing. Lili offers cost-effective high-volume manufacturing. Huanli supplies reliable mechanical switching with established export distribution. WNK brings electronic control and smart automation capabilities.

For international buyers, the practical impact is a diversified supplier base where certification coverage, production scale, and technology focus can be matched to specific project requirements. This reduces dependence on any single source and allows procurement teams to align supplier capabilities with market needs.

Closing Outlook

With the global pressure switch market valued at USD 3.2 billion in 2025, manufacturers in China are well positioned to serve both replacement demand and new installations. Suppliers that maintain current international certifications, invest in electronic control technology, and demonstrate production consistency are likely to gain preference among distributors, OEMs, and engineering firms. Monroe's combination of certified product lines, established export channels, and continued development in electronic pump control places it among the manufacturers to follow through 2026.

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ZHEJIANG MONRO MACHINERY & ELECTRONIC CO.,LTD

+ +86 13586289715

sale@monro-switch.com

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