

Application Alley

Reed Level Sensors



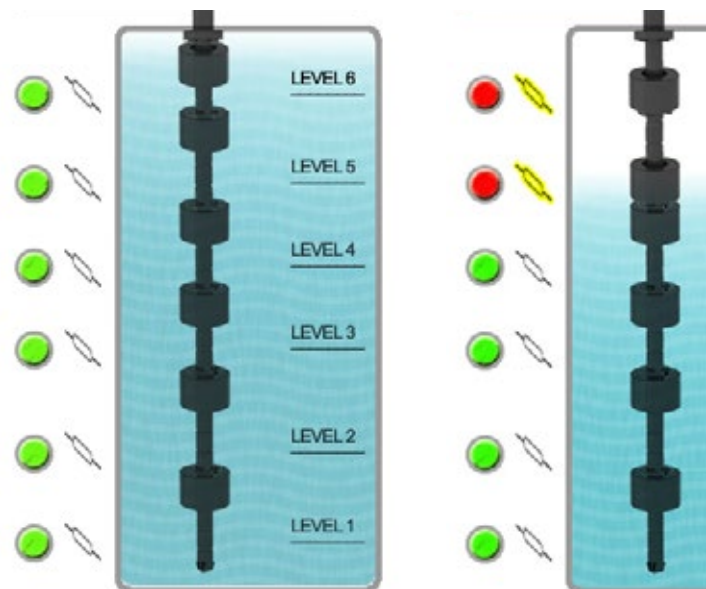
Reed Level sensors detect level changes in liquids. A float with a built-in magnet moving up and down on a shaft, forms the basic components of the sensor. The Reed switch is installed in this shaft, which is activated when approaching the magnetic field. This signals a change in the liquid level. As an expert in Reed technology, Standex Electronics offers an extensive range of different material designs, switch configurations, shaft lengths, floats and much more. The product ranges from simple sensors with external electronics to complex sensor systems that can be equipped with a wide range of switching states.

Properties of Reed Technology

- Hermetically sealed
- Compact design
- Easy implementation
- No power consumption in standby mode
- Various mounting threads available
- Millions of reliable switching operations
- Designed to handle high shock environments
- Accurate control of the open and closure points
- Low contact resistance
- High Isolation Resistance
- No switching noise

Advantages of Reed Level Sensors

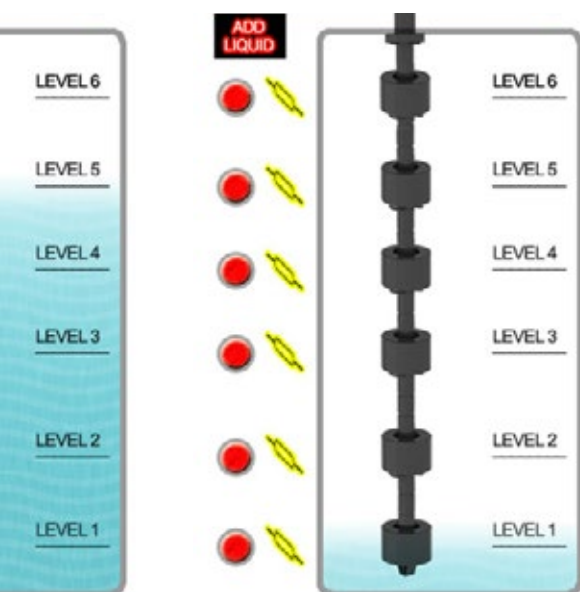
- Ability to operate up to 200° C
- Stem diameter ranges for 7 - 14 mm
- Stem lengths can range from 80 - 1000 mm
- Horizontal and vertical mounting options
- Various mounting threads available
- A variety of standard level sensors and also customized implementation possible
- Contact form A or B
- Various material designs, cable and connection options, for use in a wide range of applications
- Switching signal currents and loads up to 100 W



Custom Fluid Level and Flow Sensors

Standex Electronics offers a wide range of standard and custom fluid and flow reed level sensors to meet the requirements and wishes of customers and to create individual innovations for you that meet your quality requirements. Our developers are trained to implement designs, the strictest requirements and the highest demands in innovative solutions.

Especially within automotive and household applications, we can support with our years of experience and competence many customers with standard or custom solutions.



Our products are available as separate components, as individual assemblies with different elements or as a final product with an integrated level sensor. This simplifies installation on one side and reduces costs on the other.

Floats

Standex Electronics also relies on diversity for floats and produces besides standard also customized floats for your application. These are suitable for a variety of media such as water, acids, oils, gas or dairy and can vary in diameter, size and materials like PP, PA, NBR or V2A. Should you not find what you are looking for in our extensive range, we would be happy to sit together and find the optimal float for your requirements.



Markets

Reed Level Sensors can be used for fluid and flow level measurements in numerous of applications, such as: Household, Automotive, Industrial, Medical Device, Laboratory Technology, Aerospace, as well as HVAC.

Find out more about our ability to propel your business with our products by visiting standexelectronics.com or by writing us at salesemea@standexelectronics.com One of our brilliant engineers or sales leaders will listen to you intently.



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About Standex Electronics

Standex Electronics is a worldwide market leader in the design, development and manufacture of standard and custom electro-magnetic components, including magnetics products and reed switch-based solutions.

Our reed switch-based solutions include KOFU, MEDER and KENT brand reed switches, as well as a complete portfolio of reed relays, and a comprehensive array of fluid level, proximity, motion, water flow, HVAC condensate, hydraulic pressure differential, capacitive, conductive and inductive sensors. Our magnetic offerings include planar, Rogowski, current, and low- and high-frequency transformers and inductors.

We offer engineered product solutions for a broad spectrum of product applications in the automotive, medical, test and measurement, military and aerospace, as well as appliance and general industrial markets.

Standex Electronics has a commitment to absolute customer satisfaction and customer-driven innovation, with a global organization that offers sales support, engineering capabilities, and technical resources worldwide.

Headquartered in Fairfield, Ohio, USA, Standex Electronics has ten manufacturing facilities in seven countries, located in the United States, Germany, China, Mexico, United Kingdom, India and Japan.

For more information on Standex Electronics, please visit us on the web at standexelectronics.com

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