

NEWS RELEASE

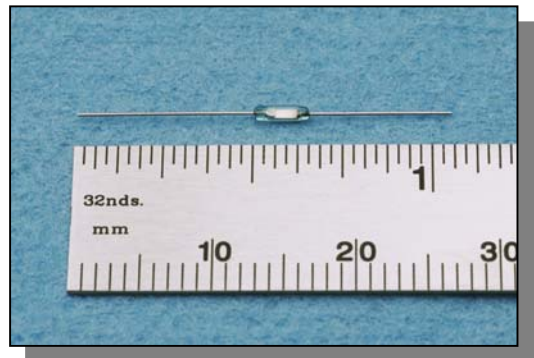
Contact: Sandy Sanders, Marketing Manager
405-224-4046; fax: 405-224-9423
sandy@hermeticswitch.com
www.hermeticswitch.com

New Reed Switch is Smallest in the World

HSR-0025 Reed Switch Responds to Need for Mini-Components in Medical, Aerospace, Industrial, Electronics and Other Applications

6 January 2004, Chickasha, OK (USA) – Hermetic Switch, Inc. introduced the world's smallest – and most sensitive – magnetically operated reed switch at the Medical Design & Manufacturing Show this week in Anaheim, California. **The HSR-0025 is more than 50% smaller than the smallest reed switch currently on the market.** This new switch was designed to address the need for smaller electronic components in the medical and healthcare industry but is expected to be of interest to many other industries where size is critical. This includes use in aerospace, industrial, electronics and other applications, such as computers, automation, manufacturing, robotics, security systems, telecommunications and military devices.

Specific applications for the HSR-0025 within the medical and healthcare markets include use in hearing aids, pacemakers and other implantable devices, defibrillators, surgical instruments and test/diagnostic equipment.



The tiny oval shaped glass body of the HSR-0025 switch measures a mere 4.06 mm (0.160 in) long, 1.22 mm (0.048 in) wide, and 0.89 mm (0.035 in) high. These dimensions make the HSR-0025 more than 50% smaller than the smallest reed switch currently on the market. Heretofore the world's smallest reed switch was Hermetic's HSR-003, with a glass diameter of 1.39 mm (0.055 in) and length of 4.83 mm (0.190 in). These extremely small dimensions are achieved by use of Hermetic Switch's proprietary manufacturing technology developed and enhanced over the company's 35-year history. **The 0.25 mm (0.010 in) diameter leads on the HSR-0025 also make it the world's most magnetically sensitive reed switch.**

The HSR-0025 switch requires no electric power to operate and combines both switching and sensing

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functions in one tiny package. The hermetically sealed contacts in the HSR-0025 switch are insensitive to electrostatic discharge (ESD) which makes this switch ideal for applications where ESD is a concern. The HSR-0025 is available in a variety of sensitivity ranges from 2 to 15 ampere-turns (AT). The leads can be custom configured for surface mount or thru-hole applications.

Technical specifications for the HSR-0025 switch (Form A contact arrangement) include maximum switching ratings of 30V DC/AC (voltage), 0.01 Amps DC/AC (current) and 0.25 watts (power). The operating temperature range is –40°C to +125°C.

Pricing on the HSR-0025 ranges from \$1.65 to \$3.10 each (depending on sensitivity range) for order quantities of 1000 units. For performance specifications, customizing options or other information please contact Hermetic Switch at (405) 224-4046 or your local sales representative.

The HSR-0025 complements Hermetic Switch's extensive product lines. Hermetic's *reed switch* product line includes micro-miniature, miniature, high-reliability, implantable, heavy-duty, high-power, high-voltage and radio frequency switches. The company's *proximity sensor* product line includes tubular, surface mount, steel sensing, industrial, alarm, low profile and high power designs. Hermetic Switch offers sensors with custom housings, connectors, wires/harnesses and other customer-specified features. The company also provides permanent magnets and standard test coils to the marketplace.

Hermetic Switch (est. 1968) is a privately held, ISO 9001 registered company that designs, develops and manufactures reed switches, proximity sensors and other switch technologies that respond to customer needs. The company provides switching and sensing solutions to many industries including medical, aerospace, telecommunications, military, fluid processing, computer/electronic, construction, security, agricultural and lawn/garden/turf. Specific applications where Hermetic products are used include pacemakers, defibrillators, Vagus nerve stimulators, hearing aids, space station/space shuttle functions, commercial and military jet engines, wireless devices, valve-position monitoring devices, test, measurement and diagnostic equipment (TMDE), burglar alarms, commercial lawn mowers and countless others. Customers include numerous Fortune 500 companies like General Electric, Tyco, Textron, Boeing, Northrop Grumman, Honeywell and Siemens as well as other key players in the global marketplace. For more information call 405-224-4046 or go to www.hermeticswitch.com.