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IMI Sensors Receives Patent for “Linear Adjust” Mechanical Vibration Switch



May 14, 2015 DEPEW, NY – IMI Sensors, a PCB Piezotronics Division and manufacturer of industrial vibration monitoring instrumentation, such as accelerometers, vibration transmitters, and switches announced the receipt of U.S. Patent No. 9,024,712 from the U.S. Patent and Trademark Office (USPTO) on its 685A-Series “Linear Adjust” Mechanical Vibration Switch.

The innovative “Linear Adjust” perpendicular magnet-mass design provides more precise sensitivity adjustments (approximately ¼ turn per g) and more consistent sensitivity over all three axes when compared to competitive models based on the parallel magnet-mass design.

The mechanical vibration switches are used in applications such as cooling towers, HVAC systems, motors & pumps, blowers, fin fans and large exhaust and vent fans.

The switch is available in five stocked models as listed in the table below:

Model	CSA/UL Approval	Remote Reset
685A08	Yes	No
685A09	No	No
685A19	No	Yes (+/- 24 VDC)
685A29	No	Yes (120 VAC)
685A39	No	Yes (240 VAC)

IMI offers other vibration switches, including 4-20 mA electronic switches (685B Series) and USB-programmable smart switches (686B Series). Additional information about IMI’s complete line of

IMI SENSORS — A DIVISION OF PCB PIEZOTRONICS, INC.

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vibration switches can be found at: https://www.imi-sensors.com/Vibration_Switches.aspx. For all technical inquiries and application support, please contact Eric Yax at eyax@pcb.com or 716-684-0003 x2377.

About IMI Sensors

IMI Sensors, a division of PCB Piezotronics, manufactures industrial vibration monitoring instrumentation, such as accelerometers, vibration transmitters and switches. These sensors feature rugged stainless steel housings and survive in harsh environments like paper and steel mills, mines, gas turbines, water treatment facilities and power plants. Integrating with portable analyzers and PLC's, IMI instrumentation helps maintenance departments reduce downtime and protect critical machinery. Our Platinum Stock Products program ensures fast delivery of over 10,000 sensors that are in stock and covered by a Lifetime Warranty. With a customer support team of more than 30 Customer Service Representatives and Application Engineers, IMI proudly stands behind their products with the services you value most, including 24-hour technical support, a global distribution network, and the industry's only commitment to Total Customer Satisfaction. Visit us at www.imi-sensors.com.

About PCB Piezotronics

PCB Piezotronics is a global leader in the design and manufacture of microphones, vibration, pressure, force, torque, load, and strain sensors, as well as the pioneer of ICP[®] technology. This instrumentation is used for test, measurement, monitoring, and control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, OEM applications, and more. Our Platinum Products program ensures fast delivery of over 13,000 sensors that are covered by an **Unconditional Guarantee**. With a customer support team of more than 50 Field Sales and Customer Service Representatives and Application Engineers. PCB[®] proudly stands behind their products with the services you value most, including a 24-hour SensorLinesm, a global distribution network, and the industry's only commitment to Total Customer Satisfaction. Visit us at www.pcb.com

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