ATEX Approval of Smart Vibration Switch for Use in Hazardous Areas

IMI Sensors, a division of PCB Piezotronics, Inc., today announced ATEX approval of the company's Series 686B USB Programmable Smart Vibration Switch, designed for 24/7 continuous protection of cooling towers, fin fans, pumps, HVAC systems, and other critical machinery operated in hazardous areas.

Meeting ATEX and CSA approval requirements for use in hazardous environments, the Series 686B is hermetically sealed and mounts with a single stud like a sensor. This Smart Vibration Switch includes an embedded piezoelectric accelerometer for accurate measurement, monitors vibration velocity for more consistent results, and provides the reliability not found in mechanical switches. Series 686B also offers a remote reset capability and USB programmable threshold and time delays to avoid false trips.

The Series 686B is highly versatile, fully user programmable via USB, low cost, and a drop-in replacement for most popular mechanical vibration switches, since it only requires two wires and can replace legacy switches without the need for additional

cable runs. In addition to being a more reliable device than mechanical vibration switches, the Series 686B is also a significantly lower cost alternative for many electronic vibration switch applications requiring single relay operation.

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