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Acme Electric Launches New Apex Active Power Filter Line

South Bend, Indiana May 26, 2020 –Acme Electric introduces the new Apex line of Active Harmonic Filters. These products include advanced features to ensure cost-effective power quality for variable frequency drive (VFD) motors. Acme Electric, part of Hubbell's Commercial Construction brands, provides innovative electrical products to OEM, industrial and commercial markets.

Acme's new Active Filters are designed for dynamic reactive power compensation and harmonic filtering. Connected parallel to electrical loads, they sense distortion caused by non-linear loads and respond to cancel them out. They save money by improving power quality, increasing process reliability and productivity while complying with power quality standards.

Acme's Apex line features state-of-the-art controllers built on a modern 3 level topology to provide real-time response in cancelling harmonic distortion. Higher efficiency, lower losses and longer life are achieved compared to conventional 2 level Insulated-gate bipolar transistor (IGBT) inverter systems. This system also produces the lowest possible audible noise, perfect for use in spaces where silence is vital.

The Apex line is designed for easy operation. Simplified commissioning is provided through a 7" touch screen interface and built-in commissioning wizard. The filters automatically sense system voltage and frequency. Smart operation mode extends filter life by reducing operational losses when in low load conditions. Comprehensive monitoring and reporting are included. Compliance with all standard communication protocols is provided.

The compact modular design of the Apex Filter family allows for easy integration into VFDs or other cabinets. The standard module case provides IP20 protection. Modules with IP42 or IP54 protection are also available. These filters can even be delivered in a stand-alone wall-mount design.

Four Apex models are available, offering 50-200A normal current capacity. For industrial applications, Acme's Filters provide stable voltage for dynamic loads such as welding equipment and cranes. In commercial applications, they support switch mode power supplies. For infrastructure applications, they are used for VFDs that support fans, compressors and other heavy loads.

Acme offers Apex Filters as part of the Hubbell Power Quality Solutions product line in conjunction with Powerohm Resistors. Apex Active Harmonic Filters are available now. Find more information at www.hubbell.com.

Keywords: harmonics, harmonic filter, power quality, active filter, variable frequency drive, motors, 3 level topology, IGBT, VFD, Acme Electric, Powerohm Resistors, Hubbell

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About Hubbell Commercial Construction

Hubbell's Commercial Construction business includes a suite of five brands that manufacture innovative, high-quality and cost-effective electrical products for a broad range of applications, including residential, commercial, industrial, OEM and MRO. RACO produces electrical boxes and fittings. TayMac creates "while in use" covers for outdoor electrical. Bell is the name contractors know for weatherproof boxes and covers. Wiegmann offers a complete line of electrical enclosures. Acme Electric manufactures power conversion and conditioning equipment.

Hubbell Incorporated is an international electrical and electronics manufacturer. The company's history of electrical innovation extends back to 1888. Founder Harvey Hubbell invented the pull chain light switch and the duplex receptacle. Corporate headquarters are located in Shelton, Connecticut.

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