Eaton’s New Capacitor Bank Control Firmware Provides Advanced Monitoring and Reporting Capabilities for Utility Applications

WAUKESHA, Wis. … Power management company Eaton today announced that its Cooper Power Systems division is launching an update to its CBC-8000 capacitor bank control, integrating firmware version 1.2.0 with ProView™ NXG software. The new firmware updates and configuration software provide end users with advanced monitoring and reporting functionality, including phase-to-phase voltage unbalance reporting, communications logging, and capacitor switch operation confirmation for utility applications.

“Utilities are pressured to operate the distribution system more efficiently and reliably, and we’re seeing a larger emphasis placed on 3-phase monitoring and alarm reporting,” said Troy Hedlund, global product manager, Eaton’s Cooper Power Systems division. “Our product team has worked hard to address these demands by updating capacitor bank control software and firmware to provide end users with even more insight into the characteristic of energy delivery throughout their distribution system.”

Available on all new CBC-8000 orders, the updates include capacitor switch operation confirmation. This advanced algorithm confirms that each of the capacitor banks and switches is operating correctly and logs or reports any phase A, B or C switch operation failures.
To help improve product performance and life, the new firmware also includes phase-to-phase voltage unbalance to American National Standards Institute (ANSI) standard C84.1-2011. This allows utilities to monitor against any voltage unbalance that may contribute to premature equipment aging, power supply ripples and severe insulation degradation due to heat generation, as well as decrease mean time between failures on all affected equipment.

In addition, the control now offers a communications archive for users to assess and trouble shoot communications problems. This archive is designed to eliminate the need to deploy special field communications scanners which could save expensive and laborious man-hours of trouble shooting field preparation. The firmware release includes numerous other enhancements designed to improve customer setup and satisfaction. In addition, software and firmware updates for existing controls customers are now available.

For more information on Eaton’s Cooper Power Systems business and its end-to-end solutions, visit www.cooperpower.com.

Eaton’s Cooper Power Systems division provides a range of power delivery and reliability, automation and control, advanced metering and demand response solutions designed to increase efficiency and smart operations. The Power Systems business serves customers in the utility, commercial, industrial, mining, renewable energy and other markets.

Eaton’s Electrical Sector is a global leader with expertise in power distribution and circuit protection; backup power protection; control and automation; lighting and security; structural solutions and wiring devices; solutions for harsh and hazardous environments; and engineering services. Eaton is positioned through its global solutions to answer today’s most critical electrical power management challenges.

Eaton is a power management company providing energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power. A global technology leader, Eaton acquired Cooper Industries plc in November 2012. The 2012 revenue of the combined companies was $21.8 billion on a pro forma basis. Eaton has approximately 102,000 employees and sells products to customers in more than 175 countries. For more information, visit www.eaton.com.

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