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Easily Monitor High AC Current Loads with the ATS Current Transducer/Switch from NK Technologies

ATS monitors AC current up to 1200 amps and provides complete isolation between the primary circuit and controls in a single, compact package

SAN JOSE, CA – July 9, 2012 **–** NK Technologies introduces the ATS Current Sensing Switch and Transducer. The ATS series is a one piece solution that combines a limit alarm with an analog output signal transducer to monitor produced or consumed AC current up to 1200 amps, while magnetically isolating outputs and inputs to maximize safety. An innovative and patent pending rotary switch makes it easy for users to set the trip point. DIN rail mounting simplifies installation and provides an extremely secure mount that is resistant to conductor movement.

"The ATS series is an invaluable preventive maintenance tool for anyone responsible for monitoring high AC current loads. With the ATS series users can monitor air handling blowers, pumps, crushers and many other large loads with a single self-contained current switch, and the built-in analog signal helps users identify bearing wear and other mechanical problems before they result in unplanned and costly downtime," says Philip Gregory, President, NK Technologies. "What's more, their function is matched by their ease of use. With the ATS Series all that is required for operation is to snap the unit onto a DIN rail, connect it to a power source and connect the outputs to the controller."

In contrast, monitoring high current loads often requires a current transformer sized for the maximum current that will be used and the 5 amp secondary of the current transformer is then connected to a shorting block for safety. The connection then runs from the shorting block to a signal conditioner to produce the analog output proportional to the current, or to a different type of signal conditioner to produce an alarm relay contact. Once these connections are made the controller can be connected to the signal conditioner outputs. It requires a great deal of time to interconnect these components, plus the time expended to adjust the signal outputs to match the primary load characteristics.

NK Technologies offers no-cost test and evaluation units to qualifying OEMs. Visit the Engineering Resources section of NK Technologies website for access to numerous application notes, and a technology white paper on current sensing technology.

ABOUT NK TECHNOLOGIES

Founded in 1982, NK Technologies designed the first the low-cost solid-state current sensing technology that underlies the industry today.

Today NK Technologies is a leading provider of current sensing, ground fault detection and power monitoring products to the industrial and factory automation markets, with a product portfolio that includes more than 1300 models to satisfy a wide range of specific application needs. As the needs of these markets change, NK Technologies is well-positioned to respond with sophisticated new product designs and improved product functionality necessary to meet those applications.

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