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Precision Calibrated Current Switches Simplify Installation and Improve Performance for Limit Alarm Applications

SAN JOSE, CA – [NK Technologies](#) introduces [ASC Series Switches](#). These current operated switches are precision calibrated at the factory per customer specifications and guaranteed within 1% accuracy. Because the switch is factory calibrated, field installation time and effort is minimized resulting in significant cost savings and improved performance consistency.

ASC switches combine a current transformer, microprocessor-based signal conditioner and limit alarm contact in a single compact package for use in status monitoring or proof of operation applications. Perfect for OEM applications where the need for a limit alarm is required, ASC switches are ideal for: proof of flow, conveyor jam and overload detection, multiple section conveyor interlocking, and control of lighting circuits or electrical heaters. In place of numerous other sensory technologies for these types of applications, ASC current operated switches provide a simpler, less intrusive, more reliable, more accurate, faster response, and ultimately safer solution.

Current operated switches are self-powered which simplifies installation and cuts operating cost. Compatible with most automation systems, ASC switches provide a magnetically isolated N.O. or N.C. solid state output for control circuits rated up to 135 VAC or VDC. The customer-specified set trip point (from 2 to 150 amps) is precision calibrated at the factory for improved safety and startup efficiency. Switch response time is 120 msec. An LED indicator provides quick visual confirmation of contact status.

ASC switches are offered in two configurations: a solid-core case with a Ø0.74" (19 mm) thru-hole sensing aperture, or; a split-core case with a hinged opening to provide a 0.85" (21.6 mm) square sensing aperture for easier installation. Package dimensions of both configurations are approximately 3.5" W x 2.25" H x 1.2" D (90 x 57 x 5 mm). Built-in mounting feet accommodate simple two-screw panel mounting, or units can attach with optional DIN rail brackets. The switch casing has a UL94 VO flammability rating. Operating environment is rated for -4 to 122°F (-20 to 50°C) 0-95% relative humidity non-condensing. All units are designed to meet UL, CUL and CE Approval.

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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