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Easily Monitor Energized Circuits in Tight Spaces with new AS1 Compact Case Current Sensing Switch from NK Technologies

Ring design easily slips onto a conductor to give a solid state contact for cost effective and reliable current flow indication as low as 0.5 amps

SAN JOSE, CA – [NK Technologies](#) introduces the [AS1 Series Compact Case Current Sensing Switch](#).

With its tiny 1 inch housing, the AS1 is a compact and cost-effective solution that enables users to monitor an energized circuit in tight spaces. The easy-to-use ring design easily slips onto a conductor to reliably detect currents as low as 0.5A with a single conductor pass, eliminating the need to wrap conductors multiple times. Reliable, solid-state output with no moving parts provides a nearly unlimited number of operations.

“The AS1 Series-CC current sensing switch is a powerfully simple solution to complicated control requirements. When a user needs to know that a circuit is energized but they don’t want to cut into the insulation or add burden to the monitored circuit, a current operated switch is the best solution. And when the primary circuit draw is less than 50 amps, a small, well-insulated device such as the AS1 is just what is needed,” says Philip Gregory, President, NK Technologies.

The AS1 has 24 inch leads that can be connected directly to controller input terminals or brought out to a terminal block to facilitate [remote operation](#). The contact can control either AC or DC circuits to 120 volts, with a maximum load capacity of 150mA. There is near zero off-state leakage providing positive indication of the presence of AC current, and the output easily handles the coil of an industrial quality relay.

This current sensing switch is powered directly from the monitored circuit to monitor and report electric motor load status, identify open heater circuit connections and independently verify that a load is energized. It is also useful for confirming current flow to and operation of critical lighting and other

equipment such as fans, heaters, pumps or other AC powered devices. The AS1 is rated for use in ambient temperatures ranging from -4 to 122 degrees F (-20 to 50 degrees C).

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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