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Reliably Monitor Process Conditions Wirelessly with New WRT Transmitter/Receiver from NK Technologies

WRT operates transparently with existing equipment, wirelessly transmits data over long distances, and requires no changes or cabling to add devices to existing networks

SAN JOSE, CA – [NK Technologies](#) introduces the [WRT Series Wireless Data Transmitter/Receiver](#). This wired-to-wireless solution provides a self-managed mesh network that works with any RS485 network protocol to promote highly reliable system operation in new or retrofit applications. The system allows for wired and wireless equipment mixes to avoid radio signal obstacles. It is also simple to configure for existing network packet parameters, provides LED indication of network status and is completely transparent to present equipment. WRT users will benefit from wireless data transmission of up to 100 meters between receivers, and data transmissions up to 800 meter transmissions are possible with multiple hops.

“The WRT series is a powerful data communication solution rooted in field-proven technology that makes it easier than ever before to reliably monitor process conditions, wirelessly,” says Philip Gregory, President, NK Technologies. “This solution is also simple to install and configure. Wiring to the terminal block is tool-free – in fact users simply strip and insert the power supply and equipment network cable conductors into the well marked position. Each WRT radio can be configured as a master or slave and set to transmit Modbus RTU formatted packets. Network address and channel frequency switches are always visible for field selection to suit the specific application and environmental conditions.”

The WRT series offers automatic route detection, self-forming and self-healing networking, and supports 100 nodes per network maximum through 15 channels. The compact and unobtrusive housing styling has a pivoting antenna to accommodate cramped enclosure spaces, and the plastic case makes it easy to install the unit on a wall or in a non-metallic enclosure. Easily adjustable address and channel frequencies speed startup.

This wireless data transmitter / receiver is compatible with most automation systems and is ideal for use in [applications](#) that require continuous monitoring such as photovoltaic power generation, building energy management, water treatment, power plants, and many manufacturing processes.

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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