

Current Monitoring – A Non-Intrusive Aid to Rail Safety and Asset Protection

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Current variation can be a symptom of faults that may threaten rail safety, critical system performance or the durability and reliability of equipment. To address this problem rail systems engineers Rowe Hankins (<http://www.rowehankins.com>) have introduced the NIC361 Series Monitor, a non-intrusive device that detects variation in current with no direct effect on the power supply.

The NIC361 is a non-contact device with the monitored cable passing through without contact. The unit detects variations in the magnetic flux generated by power flow producing a proportional output signal.

Units may be used in various ways; to record exceptional events, to provide active protection to plant by linking to a trip relay or for monitoring remote plant or to give early warning of developing faults and allow preventative maintenance in good time. Units may be configured to shut down operations or plant if system integrity and safety is threatened.

The new device is perfectly suited to the new strategy of moving from a 'find and fix' to a 'predict and prevent' methodology and gives reliable non-intrusive measurement.

Rowe Hankins provide comprehensive technical support to enable rail engineers to integrate devices into their safety, monitoring and control systems. NIC361 monitors are manufactured in the UK and are DIN-rail enabled for easy installation in control cabinets. An LED trip indicator gives visual indication of the circuit that has been tripped. Units require only a 24 volt DC supply.

Rowe Hankins is certified under the stringent and internationally recognised IRIS quality and environmental standard for the rail industry.

More Information

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High resolution images are on the web at www.ainsmag.co.uk/rh109/4964rh1a-nic361.htm