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New Functionality in NOJA Power's Recloser Controller

Electrical Switchgear Engineers NOJA Power announce new firmware for their RC10 and RC15 Recloser Controllers

As part of its ongoing commitment to developing the latest in distribution switchgear technology, NOJA Power today announces the global release of its latest Relay firmware 1.18.0.0. This firmware version is focused on rapid delivery of post fault information to operators, saving utilities significant time in power restoration after an interruption. By upgrading the NOJA Power RC10 and RC15 controllers to Relay firmware 1.18.0.0, utilities gain access to new functionality such as configurable alerts and the ANSI 21FL Distance to Fault estimation. This functionality is available as a complementary firmware upgrade for users of the NOJA Power equipment, and can be accessed through contacting your local NOJA Power Representative.

The theme of providing valuable information to operators is constant throughout the relay 1.18.0.0 release, as the implementation of Configurable Alerts has been included in this development. The NOJA Power RC10 and RC15 controllers sport one of the largest HMI interface screens available in this class of product, and the Configurable Alerts page is a natural augmentation to this capability. Configurable alerts allow utility engineers to customise the first page visible to utility operators when they interrogate the controller in the field. By providing concise, utility specific information immediately to operators, utility engineers can reduce the complexity of operation and improve the speed of restoration and reliability of their network

Driven by utility demand, the Distance to Fault Estimation algorithms implemented in Relay firmware 1.18.0.0 provides users with the indication of fault location in distance away from the recloser installation. The functionality utilises the standard on board measurement instruments in the OSM Recloser to calculate the fault location distance, providing both a location

estimate and a diagnosis of the type of fault. In the event of a fault or outage, utilities lose the source of revenue on the feeder, and prudent economic management of the network would be to restore supply in the fastest possible manner. Reclosers are often responsible for protecting large swathes of overhead conductors, and locating permanent downstream faults is a time-consuming process for traditional methods. Fault location information assists utilities in power restoration, minimising outage time, saving utilities money as well as improving total power reliability.

NOJA Power Group Managing Director Neil O’Sullivan says, “NOJA Power customer focused R&D is epitomised in this latest release of firmware which is both in response to customer demand and with a focus on increasing our customers’ ability to manage the electricity networks in a faster more efficient way. In particular, distance to fault will allow our electricity utility customers to respond faster to faults on the network, return supply faster and ultimately provide a better service to their customers.”

The Relay 1.18.0.0 Firmware is the latest demonstration of NOJA Power’s goals of improving international power reliability. Through Fault Location estimation and Configurable Alerts, NOJA Power is providing utilities with the tools they need to improve their network performance. For further information, visit www.nojapower.com or contact your local NOJA Power distributor.

By Martin van der Linde – Marketing Manager NOJA Power