



PRESS RELEASE

GE Multilin launches most advanced controller with unparalleled flexibility for custom applications

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MARKHAM, Ontario, Canada, -- GE Multilin unveiled today the C90^{Plus} Controller, the most advanced controller in the market with unparalleled flexibility for the design of custom applications required for utility substation and industrial power system applications. With an unmatched feature set, the C90^{Plus} is ideally suited for use as an automation controller, bay controller and monitoring unit, load shedding relay, digital alarm annunciator and is the perfect tool for building custom schemes. Based on the UR^{Plus} platform of protection and control relays, the C90^{Plus} delivers greater automation and performance capabilities, with complete design flexibility.

The C90^{Plus} Controller features true convergence of functions, including advanced automation and control, bay protection and control, high accuracy digital fault recording, comprehensive communications and extensive local HMI capabilities. Convergence of functions eliminates the need for multiple stand-alone devices resulting in significant savings in the installation, commissioning, maintenance and life-time costs of a power system.

Incorporating an advanced automation engine that includes powerful user programmable logic, the advanced C90^{Plus} provides millisecond deterministic execution rates, irrespective of program size. This independent programming logic engine (FlexLogic™) features advanced math, Boolean and control functions which may be used for complex load shedding, load restoration and dynamic volt/var control applications. By including multiple stages of undervoltage, under frequency and rate of frequency protection elements, customers gain the unique ability to customize their load shedding and load restoration processes to meet the specific application requirements.

The C90^{Plus} includes comprehensive communications features for remote data and engineering access. Supporting standard utility protocols including IEC61850, DNP3.0, IEC60870-5-104 and Modbus TCP/IP, the C90^{Plus} is flexible to use and easy to integrate into new and existing network infrastructures. The availability of three independently configurable Ethernet ports provides the means to create fault tolerant communication architectures in an easy, cost-effective manner eliminating the need for intermediate communication hardware.



C90^{Plus} can be used as a dedicated bay controller with capability to do advanced bay interlocking, bay protection, monitoring and control. With its dedicated user programmable high-speed protection logic users can customize independent protection and control schemes to meet specific application requirements.

With a dedicated fast and slow scan disturbance recorder, the C90^{Plus} eliminates the need for dedicated stand-alone recorders. With a high accuracy, 256 samples/cycle multi-channel analogue and digital recorder, virtually all power system transients and long term events can be recorded and viewed. Utilizing GE Multilin's EnerVista™ software suite, operators have single-click retrieval ability to view and analyze the transient waveforms and event records.

The new C90^{Plus} provides extensive local HMI capabilities featuring a default annunciator and an optional HMI. The digital annunciator allows users to customize alarms, eliminating the need for separate annunciators in a relay panel. The annunciator panel also provides detailed self-test messages eliminating the need to look at manuals to understand cryptic messages typically displayed on protection relays. The intuitive and easy to navigate HMI provides display and control functions, delivering comprehensive data visualization including metering, sequence of events, fault reports and I/O status. The HMI also features user programmable single-line diagrams for bay monitoring and control.

About GE Multilin:

GE Multilin designs, manufactures, markets and supports a complete line of protection, metering, control, power sensing and industrial communications equipment for utility and industrial applications.

Visit www.GEMultilin.com

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