

STARTCO® Newsletter

Spring 2009

www.startco.ca

Startco is Now a Part of Littelfuse

On October 1, 2008, Startco was acquired by the POWR-GARD™ division of Littelfuse, Inc. We are very excited about the new capabilities and opportunities this acquisition presents. Startco will remain in Saskatoon, committed to providing the same quality products and reliable customer support you expect. Please contact us if you have any questions.



Expertise Applied | Answers Delivered



Three-Channel Ground-Fault Ground-Check Monitor

The SE-145 Ground-Fault Ground-Check Monitor is now available. This new device features three ground-fault ground-check circuits that monitor trailing cables exiting a three-way splitter.

Optional Ethernet communications will help maintenance engineers and electricians save time locating cable faults. Equipped with Ethernet, the monitor can be connected to a modem to communicate which cable has the fault and the corresponding splitter-box location.

The SE-145 is available with a 24-Vdc or 120/240-Vac/Vdc power supply. The 24-Vdc unit features a "sleep mode" that allows the unit to be remotely powered down leaving only the communications energized. This will extend battery life when a splitter box is de-energized during maintenance.



Enhanced Filtering Added to Trailing Cable Monitors

The SE-105 Ground-Fault Ground-Check Monitor is the industry standard for underground-mine trailing-cable protection. With its fail-safe-only operating mode, the SE-107 is being put into service at many facilities. Startco is pleased to announce the next step in the evolution of trailing-cable protection. Standard units now feature Enhanced Filtering technology. Enhanced Filtering adds harmonic filtering and "hacksaw filtering."

Harmonic filtering improves the ground-fault-detection circuit by reducing false trips that can result from the use of adjustable-speed drives and other non-linear devices. Option H is no longer required; it is now standard.

Hacksaw filtering improves the ground-check circuit by eliminating false circuit verification caused by a chopper action between open ground-check and ground conductors. It must always be remembered that a ground-check monitor is not a lockout device and proper lockout procedures must always precede cable-maintenance activities.



Lifetime Warranty

Startco is pleased to announce that motor- and feeder-protection relays (FPU-32, MPU-32, and MPS) are now covered by a [limited lifetime warranty](#). All other Startco protective relays continue to have a five year warranty.

STARTCO® Newsletter

New Embossed Faceplates

MPU-32 and FPU-32 Motor and Feeder Protection Units now incorporate new switch assemblies with embossed faceplate overlays. The push buttons have improved tactile and audible feedback.



SE-MON330 Updates

SE-MON330 now includes the NGR Monitor Set-Point Assistant, which provides set-point recommendations for the SE-325, SE-330, SE-330AU, and SE-330HV Neutral-Grounding-Resistor Monitors. SE-MON330 version 2.0 now remembers user preferences between sessions.

Technical Information Updates

- TI 1.1 SE-105 Ground-Check Termination
- TI 1.4 SE-105 Ground Check, Theory of Operation
- TI 11.9 Sensitive Ground-Fault Protection Using Split-Core Ct's
- TI 12.19 Westinghouse GFA Upgrade Adapter I
- TI 12.20 Westinghouse GFA Upgrade Adapter II

Firmware Updates

Startco has updated the firmware for the FPU-32, MPU-32, and MPS which are now at revisions 1.30, 1.90, and 2.60 respectively. The updates include the ability to set the optional Modbus-TCP network communications to read-only, to ensure no remote configuration changes are made. All three products also now display time-to-reset on the Trips and Alarms screen after an Overload trip, and have the ability to select a default menu screen on power-up. The MPS has an increased range for the cooling factor.

New Building Update

Progress is being made on our new facility, located in the north side of Saskatoon at 3714 Kinnear Place. Completion is expected in early 2009.

The new facility will expand our production capability for both custom equipment and electronics.



Upcoming Events

NETA PowerTest Conference

March 9 - 12, 2009 
San Antonio, TX

Dixon Electric
April 21, 2009
Sudbury, ON



Dixon Electric
April 23, 2009
North Bay, ON

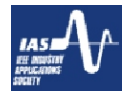
IEEE I&CPS
May 3 - 7, 2009
Calgary, AB



WMEA
May 27 - 29, 2009
Rapid City, SD



IEEE PPIC
June 22 - 24, 2009
Birmingham, AL



Extemin
September 14 - 18, 2009
Arequipa, Peru



IEEE PCIC
September 14 - 16, 2009
Anaheim, CA



Bluefield Coal Show
September 16 - 18, 2008
Bluefield, WV



IEEE IAS Conference
October 4 - 8, 2009
Houston, TX



WMEA
November 2009
San Antonio, TX



PowerGen
December 8 - 10, 2009
Las Vegas, NV



Startco Engineering Ltd.
406 Jessop Avenue
Saskatoon, SK
Canada S7N 2S5

Produced in Canada

Phone: 306-373-5505
Fax: 306-374-2245
www.startco.ca
info@startco.ca