

STARTCO® Newsletter

Spring 2007

www.startco.ca

FPU-32 Feeder Protection Unit

Startco is proud to announce the release of the FPU-32 Feeder Protection Unit. The FPU-32 features IEC and IEEE inverse-time-overcurrent, thermal-overload, current-unbalance, phase-loss, phase-reverse, and earth-fault protection. An RTD input allows transformer-temperature protection. Two independent set-point groups provide a convenient transition from operation to maintenance settings, or to select set points for different loads. The four-line LCD displays metering, datalogging, and set-point information. Standard local communications provide access to the FPU-32 with a PC. Optional network communications provide an interface for a distributed control system.

For additional information see www.startco.ca/products/fpu-32/



Spanish, Chinese, and Russian Documents

Thank you to EECOL Electric Chile, one of our largest South American distributors. EECOL translated the manuals and datasheets for a selection of Startco relays into Spanish. These documents are now available on our [website](http://www.startco.ca). Muchos gracias EECOL.



Consultants, manufacturers, and contract miners have specified Startco products for some of their latest international projects. We thank them for their support. At their request, the following manuals have been translated:

SE-134C РУКОВОДСТВО

SE-135 中文手册

SE-325 РУКОВОДСТВО

SE-325 中文手册

SE-330 中文手册

SE-701 РУКОВОДСТВО

FPU-16 to FPU-32 Retrofit

An FPU-32 can be used to replace an FPU-16 with minimal wiring changes. The FPU-32 can use the existing CT's and ICT-2 Interface Current Transformer, and the same plug-in terminal blocks. The FPU-32 offers all of the protective functions of the FPU-16 as well as standard overload curves, two set-point groups, a TIA-232 serial interface, and datalogging.

Refer to TI 17.1 [Replacing an FPU-16 with an FPU-32](#).



FPU-32



FPU-16

Software Updates

Startco's SE-COMM-RIS software has been updated to version 2.1.0. This update includes FPU-32 support, the ability to compare set-point files, and Allen-Bradley DF1, Modbus TCP, and Modbus RTU support. Check Startco's [website](http://www.startco.ca) for details.

Small-Format Termination Assemblies

Startco ground-fault ground-check protection is now even easier to install in space-limited applications such as submersible pumps. These compact ground-check termination assemblies have convenient mounting holes, and come with either wire leads or screw terminals. They are compatible with all Startco Ground-Fault Ground-Check Monitors. More details can be found on Startco's [website](http://www.startco.ca).



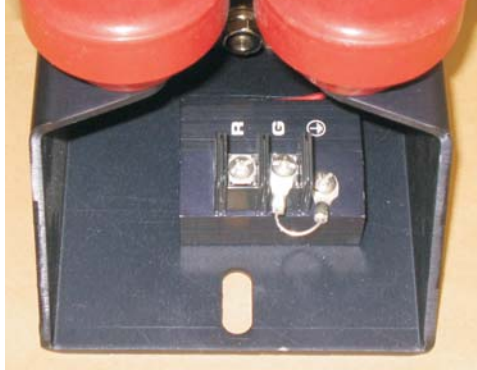
SE-TA6ASF-WL

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Did You Know?

Neutral-Grounding-Resistor-Monitor sensing resistors must be mounted in a suitable enclosure for outdoor applications. Typically sensing resistors are mounted in the same enclosure as the grounding resistor. Startco or your NGR supplier can allow room for the CT and sensing resistor in the NGR enclosure.

Revision 2 ER-5KV and ER-600VC Sensing Resistors include a \oplus terminal that connects the base to terminal G through a jumper. This connection may be removed for dielectric strength testing of the resistive element. Ensure that the jumper is reinstalled after testing.



SE-330AU

Neutral-Earthing-Resistor Monitor

An NER monitor designed for compliance with AS/NZS 2081:2002, the SE-330AU provides protection from neutral-earthing-resistor failure and earth faults. It will be introduced by Startco Pty. Ltd. at the MESC Mine Electrical Safety Committee Conference in Brisbane, Australia on May 23-25.

For additional information, go to www.startco.ca/products/se-330au



2007 Distributor School

Congratulations to the following participants who completed the 2007 Startco Distributor Course:

Eddy Group Ltd. - Peter Smith

Ecol Electric Ltd - Mike Bondzuk, Reid Westmacott, Jim Lukacs, David Kaiser, Mike Hes, Dustin Busch, Nial Van Rhijn, Willy Neufeld

Startco Engineering Ltd. - Amanda Cooley, Ryan Kreuger

Manual, Software, and Firmware Updates

The following updates are now available:

- ER-5KV Dimensions
- FPU-32 Manual (Preliminary) and Brochure
- MPU-32 Manual and Datasheet
- SE-330 Manual
- SE-330AU Manual
- SE-330HV Manual
- SE-701 Manual and Datasheet
- Small-Format Termination Assemblies
- Chinese, Spanish, and Russian Translations
- SE-COMM-RIS v2.1.0 Software
- SE-Flash Instructions for FPU-32
- MPS Firmware v2.27
- MPU-32 Firmware v1.61

Upcoming Events

Mining Electrical Safety Conference
May 23-25, 2007
Brisbane, Australia



WMEA
June 6-8, 2007
Billings, MT



IEEE Pulp & Paper
June 25-27, 2007
Williamsburg, VA



IEEE PCIC
September 17-19, 2007
Calgary, AB



WMEA
November 14-16, 2007
Tucson, AZ



PowerGen
December 11-13, 2007
New Orleans, LA



EGC
January 29-31, 2008
Bismarck, ND



IEEE Electrical Safety Workshop
March 18-21, 2008
Dallas, TX



Expomin 2008
April 17-20, 2008
Santiago, Chile



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