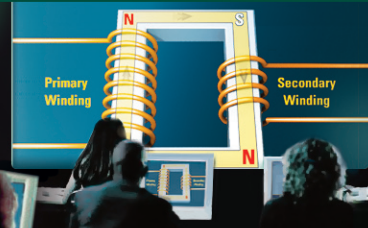




SR745

TRANSFORMER MANAGEMENT RELAY



TRNG-745

Interactive Learning CD Available
See Page 52



WHAT WILL I LEARN FROM THIS COURSE?

This course is designed to provide a thorough understanding of the procedures to correctly install, configure and test the SR745 Transformer Management Relay. Using a combination of lectures and practical Lab assignments, students will learn how to create FlexLogic™ equations to control the SR745's contact outputs and how to configure and test the SR745 protective elements using simulation software and diagnostic tools such as the Waveform Capture, Event Log and the Keypad.

PREREQUISITES

- Basic understanding of electrical circuits
- The SR745 Transformer Protection Interactive Learning CD would be an asset

COURSE DURATION

2 Days

WHO SHOULD ATTEND?

Plant electrical personnel who are responsible for the installation, maintenance and testing of GE Multilin protective relaying equipment will benefit most from this course.

TUITION

\$1,200 US*

CEU CREDITS OFFERED

1.4 Credits

AGENDA

This class includes fully equipped Hands-On Lab exercises.

Day 1

- Basic Transformer theory
- Causes of Transformer failures
- Percent Differential protection
- Instantaneous Differential protection
- Tap changers
- Current Transformer selection
- Introduction to the GE Multilin SR745 Transformer Management Relay
- SR745 specifications
- Hardware overview, options and ordering
- Mechanical installation and wiring
- EnerVista software Lab
- Establishing communication to the relay
- Loading and saving settings files
- SR745 setup Lab
 - System Setup
 - Digital Inputs and Outputs

Day 2

- Fault simulation and investigation tools such as the Waveform Capture and Event Log will be used to test the following elements:
 - Percent Differential
 - Phase Overcurrent
 - Under/Overfrequency
 - Overexcitation
- Actual Values
 - Status and Metering
 - Event Recorder, Trending and Waveform Capture
- Introduction to FlexLogic™
 - Gates: AND, NAND, OR, NOR, XOR, NOT
- FlexLogic™ Lab
 - Virtual Inputs
 - Contact and Virtual Outputs
 - FlexLogic™ Timers
 - Load shedding
- The SR745 memory map and user memory map
- SR745 data communications

25% off the price of the training CD when purchased with the in-class course

* Tuition shown is for scheduled courses. Contact us for custom and on-site pricing.