



F650

DIGITAL BAY CONTROLLER

TRNG-F650

Interactive Learning CD Available
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WHAT WILL I LEARN FROM THIS COURSE?

This course addresses the training requirements of electrical engineers responsible for the design, installation and commissioning of F650 protective solutions. Through a combination of lectures and practical Lab exercises, the class will learn how to correctly configure, monitor, and troubleshoot F650 relay.

PREREQUISITES

- Basic understanding of electrical circuits
- The F650 Interactive Learning CD would be an asset

COURSE DURATION

3 Days

WHO SHOULD ATTEND?

Electrical engineering personnel who are responsible for the configuring, installing, testing, and maintenance of F650 Relays will benefit most from this course.

TUITION

\$ 1,800 US*

CEU CREDITS OFFERED

2.1 Credits

AGENDA

This class includes fully equipped Hands-On Lab exercises.

Day 1

- F650 System overview
- Hardware review
- Mechanical installation and wiring
- Options and ordering
- Local Human Machine Interface(MMI/HMI)
- HMI Lab
 - Local Human Machine Interface
 - Front Panel keypad
- EnerVista F650 Setup Software
- Software Lab
 - Software installation
- Communications overview
- F650 Settings
 - System Setup
 - Protection elements
 - Control Elements
 - Device Setup
 - Inputs/Outputs
 - Control Logic Editor
 - Single Line Diagram configuration
- Actual Values
- Metering
- Status
- Event Records
- Waveform Capture
- Fault Locator

Day 2

- Communications Lab
 - RS232
 - RS485
 - Ethernet
- Breaker Monitoring and Control Lab
 - Front Panel
 - Setup Software
 - Graphics Panel
- Alarm Monitoring Lab
 - Acknowledge
 - Resetting
- Protection element testing Lab
 - Phase TOC
 - Phase Directional TOC
- Fault Diagnostics Lab
 - Event Record
 - Oscillography
 - Front Panel Indicators

Day 3

- Programmable Logic Editor Labs
- Factory Default configuration
- Inputs and Outputs configuration Lab
- LED configuration Lab
- Graphical Display configuration Lab
- Relay Maintenance
- Relay Acceptance Tests
- Firmware Update process
- Saving Settings Files
- Writing Settings Files

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.



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