



# SR750/760

TRCD-SR750-C-S-1

## FEEDER PROTECTION INTERACTIVE LEARNING CD

### INTERACTIVE LEARNING CD ADVANTAGE

The SR750/760 Feeder Protection Interactive Learning CD uses simulations, hands-on examples and practical applications to provide students with the same information and practical experience they would receive if they attended the in-class course. This CD allows Engineers, Electrical Personnel and Maintenance Staff to learn at their own pace and review the course material as often as they desire.

### WHAT WILL I LEARN?

The SR750/760 Interactive Learning CD provides students with an understanding of all the theoretical concepts they will require for protecting, coordinating and controlling Feeders and Breakers. The CD will then step the students through the installation of the SR750/760 Feeder Management Relays including wiring, configuring the relay using the EnerVista SR750/760 Setup Software, and demonstrating any procedures needed for performing maintenance tasks.



### AGENDA

#### 1 - Basic Protection Theory

- Power System components
- Power Generation
- Zones of Protection
- Primary Relaying
- Backup Relaying
- Types of Protection Relays
- Transducers (CTs, VTs, CVTs)
- Current Transformer selection for the SR750/760
- Breakers
- Fuse Saving protection scheme
- Coordination of protective devices
- Time and Instantaneous Overcurrent protection

#### 2 - SR750/760 Hardware

- Installation and removal of the SR750/ SR760 Relays
- Front Panel features
- Display
- LEDs
- Keypad / Port
- Setpoint and Actual Value menu structures

#### 3 - SR750/760 Wiring

- Digital Inputs
- Control Power
- AC Phase Current Inputs
- Bus and Line Voltage Inputs
- Failsafe / Non-failsafe
- Trip, Alarm, Auxiliary, and Self test Output Contacts
- Trip and Close Coil Monitoring
- Communications

#### 4 - SR750/760 Software

- Basic Relay Setup
  - Software configuration
  - Basic Relay Setup
  - System configuration
  - Logic Inputs
  - Contact Outputs
  - Event Recorder
  - Waveform Capture
- Protection
  - Overcurrent protection
  - Undervoltage protection
  - Breaker Failure protection
  - Coil Monitor protection
  - Autoreclosure
- System functions
  - Settings Files / Groups
  - Actual Values
  - Firmware Upgrades