

Classroom Training Topic

SEL Motor Management—SEL-849 and SEL-710

The SEL-849 Motor Management Relay offers current-, voltage-, and thermal-based motor protection; arc-flash detection; and power metering. It also provides all basic motor protection features, including protection for the following conditions: short circuit, load loss, load jam, frequent starting, imbalanced current, and phase reversal.

Day 1

- SEL-849 Relay Overview
- Communications: Ethernet and Web Server
- Relay Top-Panel and Human-Machine Interface (HMI) Operations
- Low-Voltage Motor Protection Fundamentals and Basic Settings (includes hands-on exercises)
- Relay Logic
- Arc-Flash Protection (includes a hands-on exercise)
- Current Unbalance Element (includes a hands-on exercise)
- Load Jam Settings (includes a hands-on exercise)
- Motor Starting and Restarting
- Phase Reversal and Antibackspin Elements

Protect asynchronous (induction) and synchronous motors with the SEL-710-5 Motor Protection Relay. New features include broken rotor bar detection and variable-frequency drive (VFD) support as well as options for arc-flash detection, differential protection, and synchronous motor protection. The synchronous option also includes, at no additional cost, a voltage divider accessory to interface with the motor excitation system.

Day 2

- SEL-710 ACSELERATOR QuickSet® SEL-5030 Software and Motor Data Introduction
- SEL-710 Motor Protection Overview
- SEL-710 Thermal Model Element and Settings
- Overcurrent Elements
- SEL-710 Jogging Block, Load Jam, and Load Loss Elements and Settings
- Current Unbalance (46), Phase Reversal, Speed Switch, and Breaker Failure Elements
- RTD-Based Protection and Settings
- Other Protection Elements in the SEL-710
- Input/Output Configuration
- Monitoring and Reporting
- Event Reports

Time: 8:00 a.m. to 5:00 p.m.

Cost: R2,500.00 PP

Class Size: 12 people

Class Duration: 2 days