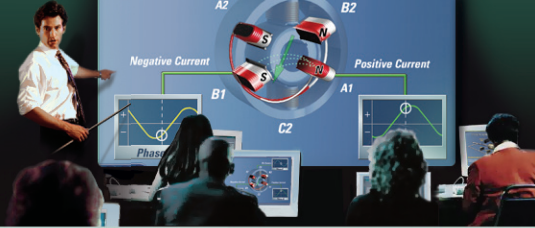




# M60

TRNG-M60

## MOTOR MANAGEMENT RELAY



### WHAT WILL I LEARN FROM THIS COURSE?

The protection engineer will gain an in-depth understanding of the major protective element algorithms for the M60. The review of a sample settings file in addition to Oscillography and event logs for specific faults will aid in a complete understanding of how to apply the M60 and how the M60 should perform.

### PREREQUISITES

- UR Platform course
- A Degree in Electrical Engineering or have taken the Fundamentals of Modern Protective Relaying course
- UR Data Communications an asset

### WHO SHOULD ATTEND?

This course is designed for protection engineering staff responsible for Motor protective relay selection and settings.

### TUITION

\$ 600 US\*

### COURSE DURATION

1 Day

### CEU CREDITS OFFERED

0.7 Credits

### AGENDA

This class includes fully equipped Hands-On Lab exercises.

#### Day 1

- Motor theory
- Motor protection theory
  - Motor Thermal Modeling
  - Short Circuit protection
  - Ground Fault detection
  - Phase Differential
  - Single Phase protection
  - Under/Overvoltage
  - Mechanical Jam
  - Loss of Load
  - Acceleration Timer
  - Starts per Hour
  - Time Between Starts
- M60 Hardware overview
  - Specifications
  - Hardware configuration
- Wiring
  - Power Supply
  - VT Inputs
  - CT Inputs
  - Digital I/O
  - Analog Inputs
  - IRIG-B
- M60 Protection element overview
- Creating a protection and control settings file for a typical Motor application
- Review of Event Records and Oscillography files for different Motor faults

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