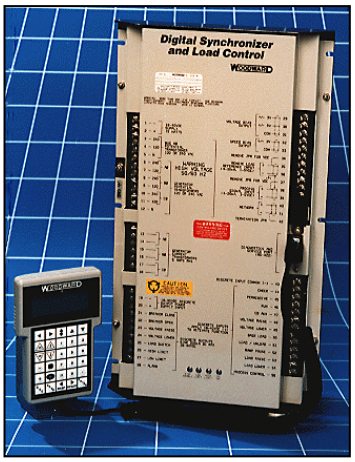
IPCS003—DSLC™ AND MSLC

DESCRIPTION



This class will give you the opportunity to learn more about the basics of power management, DSLC and MSLC. During the course you will learn about the theory, installation, programming, operation and maintenance of the DSLC and MSLC with the help of various models and simulators. The hands-on part of the training will include time for programming, adjustments and troubleshooting techniques on the DSLC and MSLC.

CLASS OBJECTIVES

Upon successful completion of this course, the student will be able to:

- Demonstrate a strong foundation on governor control theory pertaining to the DSLC and MSLC controls.
- Field calibrate and adjust the controls, actuators, linkage and accessories.
- Demonstrate an understanding of power management issues such as; soft loading and unloading, base loading, peak shaving, import/export control, and power transfer.
- Describe the concepts of basic adjustments, paralleling, and droop.
- Demonstrate an understanding of theory, methods of synchronizing, and paralleling of electrical generators.

CLASS OUTLINE

A. Concepts of Basic Control Theory

- A review covering governor fundamentals of mechanical and electrical governors, governor terminology, basic power generation, and paralleling generators.

B. Mechanical Overview (Actuators, Oil, Linkage)

- EG and EGB family of actuators and governor/actuators including calibration, EG and EGB adjustments, and linkage adjustments.
- Oil selection and oil changing requirements.

C. DSLC Control Systems

- DSLC features, control modes and applications.
- Input & Outputs (I/O) of the DSLC control.
- DSLC Programming menus and use of the hand held programmer including Synchronization, Load Control, VAR/PF Control and Process Control.
- Calibration and Adjustment of the DSLC control.
- Echelon, Termination modules and Hands-On familiarization.

D. MSLC Control Systems

- MSLC features, control modes and applications.
- Input & Outputs (I/O) of the MSLC control.
- Calibration and Adjustment of the MSLC control.
- Troubleshooting and FAQ's

The instructor reserves the right to modify the class content to best suit the class needs.