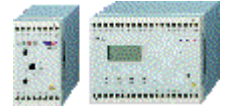




Parc Systems

Commissioning and Maintenance of Protective Relays
Tel: 01224 826626 email paulr@parcsystems.com



PARC SYSTEMS ELECTRICAL PROTECTION TRAINING COURSE



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Electrical Protection Training Course Content

General Description and History

Most electrical protection training courses that I have encountered over the years are much generalized. They get heavily involved in calculations of fault levels etc which in my experience are far beyond the needs of supervisors/technicians working in any electrical department. As such, Parc Systems offers a course that is platform/installation specific. We focus specifically on the types of relay installed to protect the installations generators, transformers, motors and bus bars. Prior to the course commencement, Parc Systems will study the layout and protection scheme and base the course content around that scheme. We believe this type of course to be far more beneficial than any generalized course. But don't just take our word for it! Ask the onshore/offshore techs that have pleaded with us to make this type of course available.

Course Location

The course can be held either at your installation/plant, or at a conference facility in an Aberdeen Hotel. Please note that if held in a hotel or other conference rooms an additional fee of £50 per attendee will be charged.

Costs

£180/day per person with a minimum of 4 persons attending (i.e. £720 minimum/day)

£230/day per person with a minimum of 4 persons attending if held conference centre (i.e. £920 minimum/day)

" Note if course is held in hotel and attendees require an overnight stay it is at their cost.

Duration

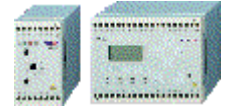
Course duration is 3 days

Course Content

- Determining fault levels based on relay settings
- Discrimination theory
- Load shedding
- Generator protection
- Transformer protection
- Motor protection
- Bus Bar and synchronization
- Earth leakage



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Day 1 09:00 – 17:00

Morning – Load shedding and discrimination theory
Afternoon – Main generation & synchronization onto HV boards

Day 2 09:00 – 17:00

Morning – HV switchboard transformer feeders and motor drives
Afternoon – LV switchboard transformer incomers and bus sections

Day 3 09:00 – 17:00

Morning – Emergency and standby generation
Afternoon – Earth leakage. Course summary and test.

Coffee and lunch break times will be dependent on location of course (i.e. onshore/offshore)

Instructor experience

20 years in the electrical plant field.