

Zelio Logic or “Smart” relays

Course Code: LEC

Duration: 1 Day

Cost: \$600 excl GST

Course Purpose:

This course introduces you to logic relays. The Smart relay has introduced a new dimension in design of circuits for simple machines and in the building services environment. The possibilities are endless and can be easily achieved by using modules from 10 to 40 I/O. Their ease of setting up provides a competitive alternative to solutions based on cabled logic or specific cards. This course also covers the more advanced features of Zelio Logic, modbus communications, Sequential Flow Chart programming, and more advanced maths and function blocks.

Course Objectives:

Upon completion of this course, you will be able to:

- Design and programme simple circuits
- Incorporate a logic relay in your home or work environment.
- Use the more advanced maths and functions blocks of Zelio Logic.
- Set up Modbus communications to Zelio.
- Use the SFC language for sequential type programming.

Target Audience:

Any person who sells components or designs control circuits.

Prerequisite Knowledge:

An understanding of basic electricity.

Course Content:

- Principals of logic relays
- Function blocks
- Timers
- Counters
- Analogue inputs
- Clocks
- Coil functions (Set / reset, remote switch, contactor)
- Programming software
- Advanced Function blocks
- Maths Function Blocks
- Advanced Text Blocks
- Sequential Flow Chart (SFC, sometimes referred to as Grafcet)
- Modbus Communications

Duration and Delivery:

- a. One Day Training Course
- b. In – class sessions at Schneider Electric training rooms, and hotel conference facilities at main centres though out New Zealand.