

Basic Programmable Logic Control

Course Duration

- 1 x 4-day week, 2 x 4-day week)

Course Objectives

- This 4 or 8 day course is designed to provide an understanding of the basic principles of operation and practice in setting up and calibration of equipment listed.
- The 4-day course offers the grounding of the P.L.C. systems with some practical applications
- The 8-day course offers more in-depth knowledge and practice using the P.L.C.

Course Content

- Safety and Precautions
- Use of a P.L.C. to achieve objectives
- Operation principles
- System and block diagrams
- Ladder diagrams and symbols
- Boolean algebra
- Programming devices
- Data transfer and retrieval systems
- Switches, relays and actuators
- Sensors and their requirements
- Power supplies
- **Practical Exercises** to include:
Programming and inputting techniques
Modifying and downloading programmes
Evaluation of the system
Forcing of inputs and outputs
Functional testing of the programme

Who should attend

- Although many systems exist, this course provides a good insight for electrical and non-electrical personnel who wish to familiarize themselves with the application of Programmable Logic Controllers.

Venue

- EAGIT Training Centre

Dates

- By arrangement or as EAGIT Course Calendar

Costs

- On application – but subject to numbers

Course Certificate

- This course carries an EAGIT issued Certificate of Attendance
- The 8-day course can also be assessed to achieve a National Vocational Qualification (N.V.Q.) to Level 2 Unit of Competence.

Course Requirements

- Basic electrical knowledge of supplies and control equipment.

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