UNIT 22:   PROGRAMMABLE LOGIC CONTROLLERS

Unit code: A/601/1625   QCF level: 4   Credit value: 15

OUTCOME 3 PART 1

This work covers part of outcome 3 of the Edexcel standard module:

Outcome 3 is the most demanding of the outcomes and can only be affectively studied with the use of suitable hardware and/or simulation software such as PneusimPro™ or Bytronics™ simulation software. An industrial background will also be of great benefit to students . **The work is continued in part 2 where more advanced programming is covered.**

SYLLABUS

3   **Be able to apply programmable logic programming techniques**

Write programs: use of ladder and logic diagrams; statement lists; Boolean algebra; function diagrams; graphical programming languages; production of a PLC

Advanced functions: less than; greater than;

binary to BCD conversion; proportional feedback control

Producing and storing text: contact labels; rung labels; programming lists; cross-referencing

Test and debug programs: forcing inputs, forcing outputs; changing data; comparing files (tapes, EPROM, disc); displayed error analysis

Associated elements: contacts; coils; timers; counters; override facilities; flip-flops; shift registers; sequencers

Learning outcomes On successful completion of this unit a learner will:	Assessment criteria for pass The learner can:
LO3 Be able to apply programmable logic programming techniques	3.1 identify elements associated with the preparation of a programmable logic controller program 3.2 write programs using logic functions based on relay ladder logic 3.3 evaluate the range and type of advanced functions of programmable logic controllers 3.4 use and justify methods of testing and debugging hardware and software

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11 Truth Tables
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i

[Unit 22 Programmable Logic Controllers Unit Code A 601](#)

A Gutmann

Unit 22 Programmable Logic Controllers Unit Code A 601:

Unit 22 Programmable Logic Controllers Unit Code A 601 Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has be more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Unit 22 Programmable Logic Controllers Unit Code A 601**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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