

HIGHER TECHNICAL INSTITUTE
ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF THE CONTROL SCHEME
OF A DOMESTIC CENTRAL HEATING SYSTEM
USING PROGRAMMABLE LOGIC CONTROLLERS

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PROJECT REPORT

CONTROL OF A DOMESTIC CENTRAL HEATING USING THE PROGRAMMABLE LOGIC CONTROLLER

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In partial fulfillment of the requirement of the
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SUMMARY

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DIPLOMA PROJECT TITLE : Domestic central heating control using the programmable controller .

In this report the characteristics and capabilities of programmable controllers are examined. Also the programming capabilities of a 'ladder language are investigated.

In chapter one a brief evolution to the present programmable controller is made and the advantages and disadvantages of programmable controllers are investigated.

In chapter two the programmable controller system is described .

In chapter three the operation of analog module is describe . Also some information about the installation of analog module are given .

In chapter four the application program is develop .All the necessary drawings and information's are also given in this chapter .

Finally in chapter five the cost for such system is provided and a comparison with convetional method is made .

Any additional information's about the programmable controllers are found in the appendices .

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