

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

MICROPROCESSOR  
CONTROLLED ALARM CIRCUIT

E/1028

BY: PAPACHARALAMBOUS ANDREAS

JUNE 1996

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HIGHER TECHNICAL INSTITUTE	PROJECT NO <i>2548</i>
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PROJECT REPORT SUBMITTED BY

PAPACHARALAMBOUS ANDREAS

TO THE

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# MICROPROCESSOR CONTROLLED ALARM CIRCUIT

## INTRODUCTION:

Alarm is a circuit which protects a house or a shop from any possible intrusion . There are many kinds of alarm circuits in the market (more details are given in chapter 1 ) but the most common are the ones with some sensors and a siren connected at one main circuit.

The alarm circuit made in that project is controlled by an 8085 microprocessor . It can stand up to eight sensors and it can energize up to eight sirens buzzers or hazard lights .

The operation of this circuit in general is to read the sensors and energize the buzzer after a time delay .It will also show the point of intrusion on an LED display.