

**HIGHER TECHNICAL INSTITUTE
ELECTRICAL ENGINEERING DEPARTMENT**

DIPLOMA PROJECT

**DESIGN OF A FIRE ALARM AND SECURITY SYSTEM OF A
SUPERMARKET**

**by
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*DESIGN OF A FIRE ALARM AND SECURITY
SYSTEM OF A SUPERMARKET*

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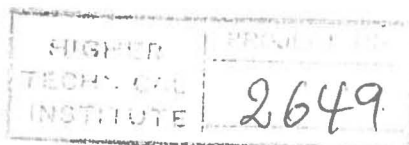
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ABSTRACT

The design of a fire alarm system and Security system is the major headach of the modern design engineers related to the subject. It is indeed very important to have a successfully functioning fire alarm and security system but the factors governing them are so many that if the design is not besed on a correct and effective planning, finally we are going to end up in a mess.

The present study deals with the theory of the relevant parts, of fire alarm system: detectors, control panels, keypads, etc. Fully understanding of the above principles is extremely important to enable correct and wise design of a fire alarm and security system. Additionally, the design engineer should be familiar to the laws and international regulations concerned with such systems.

The above pattern has been adopted in the present study. The results are listed in the following pages from which it is finally concluded that the desing is considered effective and partically useful.

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