

DESIGN OF A FIRE ALARM SYSTEM FOR A PUBLIC BUILDING

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A major factor in protecting people from the effects of fire is that they should be warned quickly enough to be able to escape in safety. A key factor in protecting the building and its contents is that the fire should be attacked and brought under control while at an early stage of development. Fire alarm systems are introduced to meet these two requirements. Thus, the responsibility of the fire alarm system designer is great. The designed system should find successful application in the specified building where the system would be installed. Otherwise it might become the cause of unwanted misunderstandings and confusing situations and be of no effectiveness.

This study deals with the design of a fire alarm system of a specific building, but includes also many general informations. The first chapter is referred to the equipment used in fire alarm systems. This informational chapter helps the reader to find the answer to many whys. The rest of the study deals with the actual problem. There is a step-to-step procedure and a final form of the system can be seen in the attached drawings.

The final conclusion resulted from this study is that if fire alarm systems are designed and installed according to regulations can provide adequate protection against fire. Also despite the high cost of installation of such systems they must be installed where they are found to be necessary.

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1. The first three drawings show the
plan view of the structure. The
first drawing shows the structure
with the dimensions.

2. The second drawing shows the
structure with the dimensions.
The third drawing shows the
structure with the dimensions.