

WIRELESS HOME SECURITY SYSTEM USING GSM

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ABSTRACT

This thesis present wireless security network for home based on GSM. The purpose of this work is to design and develop a home security system that can give security against theft or any violence that happen in home by using wireless technology. The hardware of this system includes PIC 16F877, magnetic sensor and GSM modem and mobile phone. The system programmed using assembly language which make it able to receive signal and can send short message service (SMS) to the user's mobile phone when any security area has been invaded. The system use GSM technology which is provides any access to the security control.

CHAPTER 1

INTRODUCTION

1.1 CHAPTER OVERVIEW

This will briefly discuss on the project background. This chapter discussed includes the problem statement, the objective of this project, the scope of the project and the thesis outline.

1.2 BACKGROUND STUDIES

Home security advances much more as now the wireless technology invented. There are a lot of wireless home security systems available in the market nowadays. The advantages the wireless system than the wired system are it can saves cost of wiring, easy to install, occupy lesser space, easier maintenance and much reliable.

This wireless technology also have become very convenience to humanity as its capability of controlling home appliances in a wireless and remote condition. For example, with a wireless remote controller, we can actual do remote operation or access without direct contact with the host of home appliances such as lamp, television, fan, and many more.