MARA INSTITUTE OF TECHNOLOGY

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MALAYSIA

School Of Engineering

Department Of Electrical Engineering (Instrumentation)

Final Year Project Report

On

HOME SECURITY SYSTEM

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ACKNOWLEDGEMENT

BISSMILLAHIRRAHMANNIRAHIM

In the name of ALLAH, the most benefit and merciful.

Alhamdulillah, with the blessing from Allah we have completed our final year project with a great success. This project is dedicated to our loving parents and family for their support, encouragement and love through out our life.

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Wassalam.

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1.0: INTRODUCTION.

In this modern world PC is widely used for developing many kinds of control system. It is wise that a software program being made to developed a **HOME SECURITY SYSTEM**. The system work as a control unit to switch the alarm switches (ON or OFF) whenever it is required. The PC monitor will also display the house plan and at the same time shows which door or window that had been triggered.

The controlling software program for this system is being written in **TURBO BASIC**. The normally open switches are being used as the alarm switches. An interface card (I/O CARD DMP009) is used to interface the computer to the alarm switches. Program is designed in such a way that the computer can received input signal from the external supply.

The objective of this project are :-

1. Developing knowledge about using the interface card (I/O CARD DM P009) and to study how the program is made to send the signal out or received the signal from the card.

2. Acquiring knowledge about high computer language using (TURBO BASIC). How to use this language to develope a system controlling alarm switches. This language is more complex and it has more command compare to GWBASIC or BASIC.

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3. To design our own control system by developing software programming and make used of the PC for a HOME SECURITY SYSTEM.

4. To realise that a thight and powerfull home security system can be develope by the support of PC.