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FINAL REPORT OF DIPLOMA PROJECT

FACULTY OF ELECTRICAL ENGINEERING



REMOTE CONTROL USING  
TELEPHONE

AZLINAWATI MOHD. HUSAIN  
NORHAFIZA MOHD ZAID

## **ACKNOWLEDGEMENT**

ASSALAMUALAIKUM....

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## ABSTRACT

Here is a teleremote circuit which enables switching 'on' and 'off' of appliances through telephone lines. It can be used to switch appliances from any distance, overcoming the limited range of infrared and radio remote controls. The circuit described here can be used to switch up to nine appliances (corresponding to the digits 1 through 9 of the telephone key-pad).

For our project we are advised by our supervisor to make the circuit to switch to 3 appliances. The DTMF signals on telephone instrument are used as control signals. The digit '0' in DTMF mode is used to toggle between the appliance mode and normal telephone operation mode. Thus the telephone can be used to switch on or switch off the appliances also while being used for normal conversation.

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## 1. INTRODUCTION

### 1.1 Objective

In this new area, all the electronic materials such as TV, HIFI, VCR, microwave have its own remote control. As we all know, remote control is very useful and becomes apart of our life today. Besides that, it is widely used in all over the world. For this project we are interested in making remote control using telephone.

The final project of KEU 380 is part of the course structure that needs to be taken by students that is in final year. The main purpose of this project is ;

- a ) to understand the operation of ON / OFF remote control.
- b ) to successfully produce our project circuit and function perfectly.
- c ) to broaden the use of remote control.
- d ) to take advantage of remote control technology.
- e ) to make life simple task more easier and comfortable.