

OPEN-LOCK HOUSE DOOR USING DIGITAL LOCK CODE

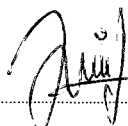
MOHAMAD FIRDAUS BIN MOHD ZABRI
MUHAMMAD FARIS BIN DIN
MUAHAMD RIZUAN BIN RAMLAN


A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)


Faculty of Electrical Engineering
Universiti Teknologi MARA

MARCH 2013

"I declare that this report entitled "*Open Lock House Door Using Digital Lock Code*" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

Signature : 
Name : MOHAMAD FIRDAUS BIN MOHD
ZABRI
Date : 11 APRIL 2013

Signature : 
Name : MUHAMMAD FARIS BIN DIN
Date : 11 APRIL 2013

Signature : 
Name : MUHAMAD RIZUAN BIN RAMLAN
Date : 11 APRIL 2013

ACKNOWLEDGEMENT

Alhamdulillah and a lot of thanks to ALLAH for giving us the strength physically and mentally to strive and face every problem that occur during the time we are trying to complete the project. We would like to give our honour to our supervisor; Pn Nuraiza Bt Ismail for scarifying her time and en energy in order to helps us completing this project. Moreover, our supervisor also helps us in giving valuables ideas about our design project and teaches us a lot about this proposal. She also supports us to finish the task before the dateline and complete the project with successfully.

In additional, we also would like to give our appreciation to beloved family and friend, who are really helps us financially, giving ideas, suggestions also a lot of support. The special tribute also given to lecture and everyone, who are involved directly or indirectly along the time until this project was finished. May ALLAH reciprocate their effort and give them His blessing in their life.

ABSTRACT

The aim of this project is to develop a reliable house lock door by using digital lock code. This system can be used especially to main house door or secret door. The main purpose of this project is to keep our house in a safe condition. By using this system, thieves or burglars cannot easily disable or opened the door. People also cannot make a duplicate copy to the key because it using a code system.

TABLE OF CONTENTS

CHAPTER	CONTENTS	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENTS	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF FIGURES	ix
	LIST OF APPENDICES	ix
 1	 INTRODUCTION	
	1.1 Objective	1
	1.2 Scope	2
	1.3. Problem statement	2
 2	 LITERATURE REVIEW	
	2.1 PIC16F887	3
	2.2 Magnetic Lock	4
	2.3 Keypad 4x4	5
	2.4 LCD (2x16 Characters)	6
	2.5 IC DS1307	7
	2.6 Buzzer	7