

FINAL YEAR PROJECT REPORT

DIPLOMA IN ELECTRICAL ENGINEERING (ELECTRONICS)

SCHOOL OF ENGINEERING

M.I.T SHAH ALAM

FOUR CHANNEL LIGHT CHASER

BY

NORIDAH BT. HJ. CHE HAAT

SITI ZAITON BT. MOHD. RADZI

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PREFACE

The final year project is a partial requirement for engineering students to get the Diploma.

The purpose of this project is to familiarize the student with the various application of electronic circuit, devices and components. It also provides simple opportunities for practice and promotes the development of analyzing, understanding and testing. This project will be a much better position to expand our knowledge.

ACKNOWLEDGEMENTS

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Thank you.

NORIDAH BT. HJ. CHE HAAT.

SITI ZAITON BT. MOHD. RADZI.

INTRODUCTION

This light chaser combines the most sought after features for Disco, Display and Entertainment application. These are 1000W per channel power rating.

Hard fired triac outputs for full inductive load capability. Zero volt switching for minimum interference and high reliability.

Three/four channel, switch selectable.

MIMIC on front panel.

MIC. built in for Beat Synchronised chase.

MIC. sensitivity control.

Speed control for free running.

Standard 8-pin connectors as fitted to most lighting sets.

This combination of features makes the four channel light chaser able to drive a wide range of loads including "Rope Light" and transformer coupled "Pin Spots" tungsten and tungsten lamps. It is also capable of driving some suitable types of fluorescent lighting. It should find many uses where a reliable and versatile light controller required.