

VIETNAM AVIATION ACADEMY

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LOCATION IN HO CHI MINH CITY



PROJECT REPORT:

"Circuit Remote Controlled Using Infrared Light"

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PREAMBLE

In this day of advancement, we are indispensable remote control to control the devices we use every day as televisions, machines air conditioners, fan, etc. So how do remote controls work? Can control other objects in the distance? Few know that the first remote control available during World War II. Initially, people use RF technology (Radio Frequency) and then catch to start applying IR (Infarred Remote) technology to the remote control. In today's life, we use both types, however control remote use infarred in more often used. Let's see the principle operation and construction of this remote control.

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Chapter 1

Introduction

1.1 Preliminary introduce:

With the current trend of modernization and industrialization, many modern technology devices appear to help save time. We can mention as public technology of things connected through the internet (Internet of Things) etc. But with expensive fees are not suitable for the average consumer. From there, i founded simple solutions with the same purpose and low cost.

In parallel, to supplement, to supplement the knowledge not studied in school. From there, i selected "Remote Controlled Using Infrared" for the topic.

1.2 Objectives of the study:

To help reduce costs and supplement knowledge not researched at school.

1.3 Research Methods:

Find information on internet.
Test on software.

Chapter 2

Find out theoretical related to the research

2.1 Application of remote controlled using infarred

Remote controlled now is using broadly, it use to controlled all wireless device. Remotes and televisions are the best example for application of this recieve and transmitter circuit. Or more application of this circuit. Beside that, we can see that remote controlled can use with air conditioners, fans, or even use to turn on the lights in house.