

Abstract

This project concerned with the computer communication and electronics system. In order to control the electrical devices via the Internet system that run on the Linux operating system which give us the opportunity to control the house facilities while we are away from home.

This project consists of hardware part and software part, which include 3 circuit and 2 programming section respectively.

In hardware part for this project we use 3 circuits as the following:

1. Regulated DC Power Supply. (Figure 1.1)
2. Microcontroller & Serial Communication Circuit. (Figure 1.2)
3. Relay Circuit. (Figure 1.3)

In software part we use:

1. PHP
2. C in Unix

C programming in the microcontroller will be laid down in the next section.