

CHIP CODE BASED SECURITY AND SMART HOUSE SYSTEM

Prepared by: Lai Hoon Fei

ABSTRACT

This project's title is "chip code based security and smart house system". To improve the life of human becomes more comfortable and safe, the concept of this project title was created.

In brief, this project is including the security system used by chip code card and the functions of the smart house. When the use input the chip code card to the reader, the reader will compare the card data and the data set in the initial stage. If match, the automatic door system and the power flow control system will ON at the same time. In the other word, the door of the house will open automatically, and the light or other electric components in the house will open automatically, and the light or other electric components in the house will also automatically switch ON. But if the data not match or have someone entry without using the card, security alarm will ON, alarm sound will be heard.

This project report contains the description about the construction and the circuit analysis. Circuit diagram, PCB layout, block diagram and circuit flow diagram were also included in this report. Besides that, all photo of the circuit and outcome were also been shown in this reports. Moreover, the components list, the references and few data sheets of every main electronic component and ICs are provided in order to let the reader more understanding how the circuit flow by their characteristic and usages.