

HOUSE SECURITY SYSTEM

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ABSTRACT

This project is about House Security System, its construction, the theory behind, and the possible outcomes. The advantages and disadvantages of this House Security System are also included.

This House Security System consists of two portions: hardware and software. There are three main combinations of security parts to make this whole security system works. First circuit is the digital code lock which requires the owner to enter password via key word for gaining entry into the house. Second is the door protector circuit which mounted into the door, the owner needs to press the disarm button during opening the entrance door in order to deactivate the alarm. Last is the window security system which placed onto the windows. It will alert the residents of the house via alarm system if there is any intruder breaks into the house through windows.

PIC 16F84 microcontroller is the important component needed to make the digital code lock works. Programming the PIC microcontroller using MP Lab is required and the codes downloaded into the PIC will decide how the digital code lock circuit works.