

ANTI-THEFT HOME SECURITY SYSTEM

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ABSTRACT

The project of “Anti Theft Home Security System” has been designed in order to tackle the increase in robbery cases in houses and offices. This system with the help of two microcontrollers ATMEGA 8515, sensors, magnetic switch (reed switch) transmitter and receiver can form elements to protect our houses from the astute minds of thieves. The user will be carrying the receiving module, whenever he/she steps out of the house.

This module will encompass receiver, microcontroller, LCD and a buzzer. The transmitting module will be equipped with sensors, reed switch, microcontroller and transmitter. There is constant monitoring between the transmitter and receiver and as soon as some moment is detected by the sensors or reed switch, immediately the buzzer will go ON and the user will come to know about the activity through LCD.

The user needs to cut off the battery whenever he/she accesses the doors and windows as it can trigger the buzzer, which is not necessary at that moment. This system can also be successfully brought into implementation at places like offices, shopping malls (for protection of products kept on display), ATM’s etc.

KEYWORDS: 8515, Reed Switch, LCD