ABSTRACT

The increase in crime especially theft, a background security safes high production capable of providing more effective security. Designing a safe deposit box at the end of the assignment consists of several important parts of the circuit microcontroller AT89S52, wavecom GSM Modem series, solenoid, LCD 16x2, 3x4 keypad, LED, buzzer, magnetic sensor, motion sensor (PIR), electronic circuit Dazer.

Safe serves as a storage device, as well as automatic safety which AT89S52 microcontroller is used as the control center and data processing. Modem wavecom useful as a media liaison for sending messages (SMS) to the owner to provide information on the safe. In the safe application accessed using a password that can be changed freely by the owner, and include grantor display information, and detection sensors human activities and include electrical circuit shock.

The way the system works, when the safe is opened with the correct procedures, safe door will open automatically, but if forced open a safe deposit box, an alarm will sound and a notification message will be sent to a mobile phone as well as the owner of an electric shock circuit is active as a safety on safe.

Keywords: automatic safe, security safes