

ABSTRACT

At this time, most public need a good security system and method of access for opening of a house door key which automatic and practice, especially for house has leaved by own house which the situation are not safe, the problem can be solved with new system that can open the door by password and using GSM technology for security

This system based on microcontroller AVR ATmega 8535 and use solenoid for pull the key. with this system we will know condition of the door. If the door is opened out of access so the alarm will be ringing and the system will send a message about confirmation for the next instruction.

Tools of control are used a handphone that support of AT command and a serial cable for connectivity. In this security system use push off sensor as a indicator for microcontroller turn on alarm.

This system will work as security of the door, if the door is opened out of access so alarm will be ringing and the door will be communicated by user.

Key word : Microcontroller ATmega 8535, Sensor, SMS, AT command, Solenoid