ABSTRACT

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SECURITY SYSTEM WITH GSM MODULE, RTC DS3231, AND BUZZER
BASED ON Arduino
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Keyword : Arduino Uno, Microcontroller, RTC DS3231, SIM800L.

(xi + 34 + Appendices)

This security system tool is a tool used as a second layer security system in a room that stores valuables or anything that does not want to be lost. This tool is located after the first layer of security system is like a lock on the door or other primary security system. This tool can detect objects up to a radius of 3 meters from the point of installation of the sensor. The object in question is a living human or animal, which still produces heat energy in the form of infrared emission that is able to be recognized by the sensor. This tool is divided into three parts, the first part is the input section there are PIR sensors and RTC DS3231 module. In the processing section there is a microcontroller mounted on the Arduino board, and there is SIM800L V2 module on the output. Based on th results, this tool is able to work properly if all that is needed is adequate as there is sufficient power and adequate GSM signal.

Blibliography(2012-2017).