

SECURITY SYSTEM OPEN AND CLOSE THE SAFE LOCK USING A SHORT TELEGRAM MESSAGE

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ABSTRACK

The high frequency of crime rate in the theft of money has encouraged the manufacture to produce an advanced tool called safe-deposit box. Safe-deposit box is a depository tool that is considered to be practical but have a high risk. This is because people are able to open it easily. Therefore, to save the safe-deposit box, the security system using the telegram text message is needed to open and close the safe-deposit box. This system uses microcontroller-based electronic circuit applications. This research has been successfully created an open-close security system for key of safe-deposit box using a telegram text message based NodeMCU. It uses a voltage source + 5v dc for servo motor, LDR, laser, LED and Buzzer. The telegram text message is an input, NudeMCU as Microcontroller, servo motor, LED and Buzzer as media output. Based on the results of the analysis and testing that has been done, it can be concluded that the security system of safe-deposit box in this research can work optimally. This tool can be opened using telegram text message or a switch and locked the safe-deposit box using telegram text message.

Keywords : Internet of Things, NodeMcu esp8266, Safe Security System, Telegram.