Abstract

This paper demonstrates a novel method for switching ON/OFF the electrical appliances remotely from anywhere in the world. The method demonstrated in this paper uses a Microcontroller based system to control the devices connected through it by sending a text message. The GSM Modem acts as a trans-receiver for receiving the commands and sending the completion report. The GSM Modem is configured by the AT Commands to send/receive text messages and to communicate with the Microprocessor. The components used in this method cost very low, so this method is quite affordable.

References

The Low Cost Remote Control for Electrical Appliances using AT89S51

Embedded System for Irrigation” IEEE Conference 3-5 June 2011, Katra J&K.

Index Terms

Computer Science Power Systems

Keywords

GSM, LCD, Microcontroller, Relay, Text Message.