Application of GSM for Home Devices Control

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 167
Number 12

Year of Publication: 2017

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10.5120/ijca2017914459

Abstract

This paper presents an application aimed at getting more from GSM mobile phones in addition to their traditional role of voice and data communications. It involves development of a device based on application of GSM technology for the control of home appliances. The developed system has at its heart a microcontroller PIC16F877A for coordination and processing of control commands, which are in the form of short messages from mobile stations. A working prototype built for the demonstration of the design can control five connected appliances whose current consumption is not in excess of 13A. Provision is made for the display of the status of connected appliances on the LCD.

References


**Index Terms**

Computer Science Wireless

**Keywords**

GSM module, microcontroller, control device, home appliances.