Abstract

The smart home system can be defined as a process or a system. Compared with ordinary household, the smart home not only has the traditional residential function, it also provides high grade safety and comfortable delightful family living space. This system is based on the core device of the STC89C52 MCU and MQ-2 smoke sensor, in the form of short message to implement the fire alarm and remote control, home security supervision. The system uses temperature sensor, infrared sensor, and gas sensors to ensure house’s security. Once abnormality occurred, it will send a message as alarm to the house-owner. And by the remote control of turning on the light and sound recording to simulate the effect of someone in the house, the thief will give up stealing.

References

2006.1.
4. Xiaoping Gao. China's present situation and development trend of intelligent household
5. Chongming Xie. GSM car alarm system design [J]. Journal of safety science and
technology, 2008, (5) : 31-33.
Yanshan University, 2000, (3).
7. Honghai Fu. Single chip microcomputer application in the security alarm system [J].
Journal of safety science and technology, 2009 (3) : 25.
and application of electronic technology, 2012 (2) : 28 to 30.

Index Terms

Computer Science  Wireless

Keywords

Smart-home: Fireproofing and security system; MCU.