北京郵電大學

Wireless Sensor Network Application Report

题目：基于无线传感器网络的智能浴室设计

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Smart bathroom design based on wireless sensor network

ABSTRACT

With the continuous development of social economy, people's living standards continue to improve, science and technology are changing rapidly, intelligent technology in the home industry applications show a diversified and popular trend. While constantly enriching the needs of users, intelligent technology presents a posture that seeks to penetrate the overall situation. Focusing on the important intelligent bath in smart home, this paper gives a smart bathroom system design scheme based on wireless sensor network architecture based on practicality and feasibility, which combines ZigBee, WiFi and other wireless transmission technologies to achieve temperature and humidity acquisition of bathroom environment, real-time early warning monitoring of flammable gases and automatic control of indoor lighting equipment.

KEY WORDS: Smaet Home; ZigBee; WiFi