

## **The Application of Bluetooth Control Air-Conditioning System for the Vegetative Patient at Home**

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### Abstract

The purpose of this study is to install a temperature sensory device on the vegetative patients who can only lie on bed and can not move. It can judge the current nearby temperature and humidity of the surroundings so that it can transit and control the air-conditioning system by Bluetooth low power of the wireless transmission. The airconditioning control system will be set on the most comfortable and moderate situation. With regard to different temperature and humidity, the temperature sensory measures will have different setting degrees which are suitable for vegetative patients. At any time, the Bluetooth can transit the sensible temperature and humidity to the air-conditioning control system. In this way, it can control the switch of the air-conditioning compressor all the time to adjust the indoor temperature and humidity automatically and meet the vegetative people's requirement. However, the air-conditioning control system can achieve the goal to save energy and keep a comfortable environment.

Key words : Air-conditioning controller; Bluetooth; Humidity;

Temperature sensor; Vegetative