

题 目： 山区家庭自动供水装置的设计

毕业设计说明书（论文）中文摘要

本次设计的装置是山区家庭自动供水装置。我们在一开始要确定的是要模拟建造一个水塔，然后以这个水塔为基础来实现我们的设计。在这个水塔的基础上我们来进行将它的供水实现自动化的设计。本次设计我们要用到单片机来进行我们主要程序的运作。其凭借着其体积小，价格低，结构简单，处理能力强，易于控制的有点当仁不让的成为了我们本次设计的核心。本次我们采用的是 STC89C52 单片机位我们的只要控制核心，通过水压传感器计算的值以及水位传感器的警报效果，不仅能向我们显示准确的水位的高低，也能配合我们的系统进行自动的上水和自动停止供水。以及还包括对紧急情况的警报和处理等方面的功能。

关键词 单片机 水压传感器 水位传感器

毕业设计说明书（论文）外文摘要

Title Design of the automatic water supply device for the
family in mountainous area

Abstract

The design of the device is the mountain family automatic water supply device. At the beginning, we decided to build a water tower by simulation, and then realize our design based on this water tower. On the basis of this water tower, we will carry out the design of automating its water supply. This design we want to use single-chip microcomputer to carry out the operation of our main program. With its small size, low price, simple structure, strong processing ability and easy to control, it has become the core of our design. This time, we use STC89C52 single chip microcomputer as our control core. Through the calculated value of water pressure sensor and the alarm effect of water level sensor, we can not only display the accurate water level to us, but also cooperate with our system to carry out automatic water supply and automatic water supply stop. And it also includes the functions of emergency alarm and handling.

Keywords singlechip Water pressure sensor Water level sensor

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