

Abstract

Computer-Based On Off Controller of Water Temperature is a device used to arrange the water temperature condition. The device consist of two sets of equipment, i.e hardware and software. The hardware consist of a censor circuit, signal conditioning apparatus, analog to digital converter, relay mover and interface circuit. The software makes used of programming language, i.e. Visual Basic 6.0. The device initially works by obtaining an input from the set of censor and the result is processed in the signal conditioning apparatus and the later result is sent to computer after passing through the analog to digital converter circuit and interface circuit. The computer is used to control the device and to display the output with the use of programming language Visual Basic 6.0. The temperature obtained can be determined and when the temperature has been achieved, the device will be on. And if the temperature is bellow the specified limit, the device will be off.