

AC Power Controller using Programmable Interface

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Abstract: *The project at controlling the AC power by using the concept regulator angle control of AC line. One can enter the required percentage of power supply through a bluetooth. The input is provided to a microcontroller of a family that initiate the regulator to adjust the load power. For matching the power to the required one, a servo is used in series with the AC load. A display unit is used to display the power and one can go through the preferred percentage to decrease the power to the load. Here, to maintain the load power the regulator would be change automatically. The project employs a bulb such that the entered power equals the necessary one. The above process is carried out with the help of a servo in series with the AC load. It uses AVR family microcontroller. A bluetooth is used to give the input to the microcontroller.*

Keywords: Servomotor, Microcontroller, Bluetooth, Regulator

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