

Operation and Controlling of Single Phase Motor

Single phase induction motor has been used widely in discipline industry and household where a simple motor starter can't let vary speed in starting and also running with mechanical load. This project introduces a method for controlling the speed of an AC single phase induction motor by considering the combination of solid state relay along with IoT. Single phase induction motor speed control is achieved by making use of Microcontroller (ATmega328). A single phase induction motor adjustable speed control is implemented with hardware setup and software program. Measuring speed is again the facility added in this proposed system to have monitoring on the speed of the motor.

