

STEPPER MOTOR CONTROLLER

Prepared by: Chim Yee Hui

ABSTRACT

Stepper motor controller is a very common electronic hobby kit and it has wide applications in many areas such as hard disk drive, printer and plotters. It is used to control the speed, amount and direction of rotation of a stepper motor. In this project, I am using a Peripheral Interface Controller to control the motor by sending pulse to it. PIC is one of the most commonly used controllers because it is inexpensive, small in size and easy to operate. The PIC operation is based on the program burned into it and the motor will be controlled according to the code written. This stepper motor controller is capable of operating in four functions: clockwise rotation, counter-clockwise rotation, stops the motor and speed control.