

MOTOR SPEED DETECTION USING INFRARED EMITTER AND DECODER

Prepared by: Tai Miao Xiang

ABSTRACT

The scope of my project is I will design the infrared emitter and decoder circuit which is applied to the motor. Then, the black disc has a hole which is used to rotate and allowed to detect the IR emitter's light source through this hole and mount on the motor shaft. Then, the result will display in the computer by using visual basic programming.

In the beginning of the report, acknowledgement and contents are initial part for this report. The illustration part is the circuit diagram part which is including that the schematic diagram and PCB layout. Then, in the main body part is define and explain the whole operation of the detector and the software which is using VB programming.