



- Sequence control of 8 LEDs through 8255 port
- Control of 2 relays
- Operating a 7-segment display
- Switch state input through 8255 port
- SID/SOD Operation

Introduction

This unit has been designed to train the students to handle basic input - output operations of the 8085 microprocessor through 8255 ports. The power supply, drivers and other hardware are pre-wired resulting in a greater reliability of operation. The students are expected to enter a few suggested programs and also to develop their own programs for a variety of input-output operations.

Experiments

- Light the 8 LEDs in a cycle, in binary sequence, as a bar graph display etc.
- Operate the 2 relays with software controlled timing
- Operate the 7-segment display through segment control
- Sense the state of the 4-switches as input and send out suitable signals to various output devices
- Study of SID/SOD commands

Features and Specifications

- System comprises of a main unit and a mp kit
- The main unit houses all the I/O devices, viz. LED's, relays, 7-segment display, switches and their drivers/interfacing circuits
- The status of the relays and switches are displayed with the help of lamps mounted on the panel
- Supporting literature with experiment details

Note: Specifications are subject to change.

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