



Nvis Technologies Display and Switches module MC10 is an extension module for Nvis Microcontroller development platforms. The object is to have a clear understanding of how input peripherals are interfaced and controlled with Microcontroller. The object is to connect and program a Microcontroller to display data and for monitoring.

Display and Switches module MC10 has input and output terminals for connection of external real world applications

Features

- 4 x 4 matrix keypad interface
- Eight input sensing switch interface
- 16 x 2 characters LCD interface
- Seven segment display interface
- Relay & Buzzer Interface
- PC based programming
- Expansion connectors for plug in with Microcontroller unit and prototyping area
- Every pin is marked in order to make the study easier

Note : This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4A/5 Series Microcontroller development platform.

Scope of Learning

- Study of Keypad interfacing
- Study of LCD interfacing
- Study of Relay interfacing
- Study of Switch, Buzzer and seven segments interfacing

Technical Specifications

Switches	: DIP Switch (8-Switches)
Display	: 16 x 2 LCD
Seven segment display	: 4 nos.
Keypad	: 4 x 4 matrix keypad
Buzzer	: +5 V DC
Relay	: +5 V DC
Power supply	: From Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Interface	: 20 pin FRC cable
Dimensions (mm)	: W 255 x D 155 x H 80
Weight	: 280 gms (approx.)