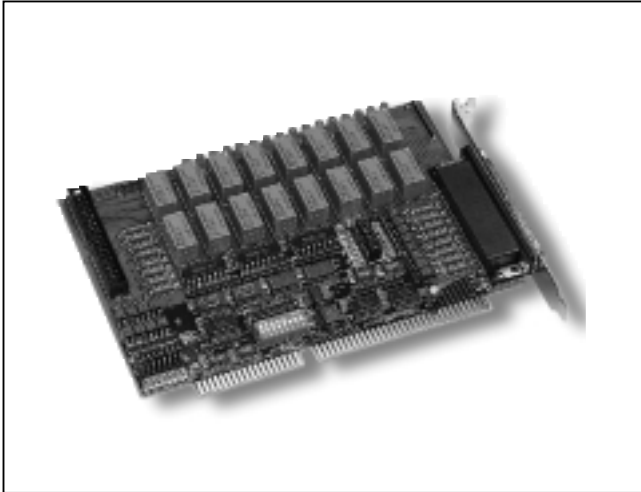




P16R16DIO

Isolated 16 Digital Input & 16 Relay Output Board



Functional Description

The P16R16 DIO is a 16 isolated digital input and 16 relay output interface board designed for control and sensing applications. This interface board is easily installed in any PC/AT/XT or compatible computer. The P16R16 DIO Provides 16 electromechanical relay outputs and 16 optically isolated inputs. The P16R16 DIO has two 37-pin D-Sub Connectors and the function is equal to two P8R8DIO.

Features

- Relay output Channel
- Optically isolated digital input channels
- AC/DC signal Input; AC signal input with filter
- Power Requirements: +5V/200mA(max.); +12V/260 mA (max.)

Applications

- Factory Automation
- Product Test
- Laboratory Automation
- Security Control

Specifications

- Relays
 - Relay output Channels:16
 - Contact Rating: 0.3 A;120V AC/DC /1A; 30V DC
 - Contact arrangement: Output channel 0-3, 8-11 are Form C; Output channel 4-7, /12-15 are Form A

Operating time : 5m Sec
Release time : 10m Sec
Expected life > 100,000 times (at 30V/1A)

■ Inputs

Channels: 16
Type: Non-polarized OPTO-isolated , (PC-814)
Input Voltage: AC/DC 5-24V or VAC Freq:50~1Khz
Input Impedance: 1.2 K Ω
Response Time: 20 μ S (without filter)
2.2mS (with filter)
Isolation: 500V channel-channel & channel-ground

■ General Environment

Operating temp: 0 - 50°C
Storage temp: -20°C to 70°C
Humidity: 0 to 90%
Dimensions: 175 mm x 121 mm

Software

- DIO Development Toolkit for DOS
- DIO Development Toolkit for Win95
- DIO Development Toolkit for WinNT

Order Description

- P16R16DIO: Isolated 16 Digital Input/16 Relay Output Board

Options

- DB-37: Directly connect signals to the back of P16R16DIO
- DN-37: I/O Connector Block with DIN Rail Mounting and 37-PIN D-SUB Connector
- DIO LabVIEW Development Toolkit for Win95
- DIO LabVIEW Development Toolkit for WinNT

The pin Assignment of P16R16DIO is the same as P8R8DIO