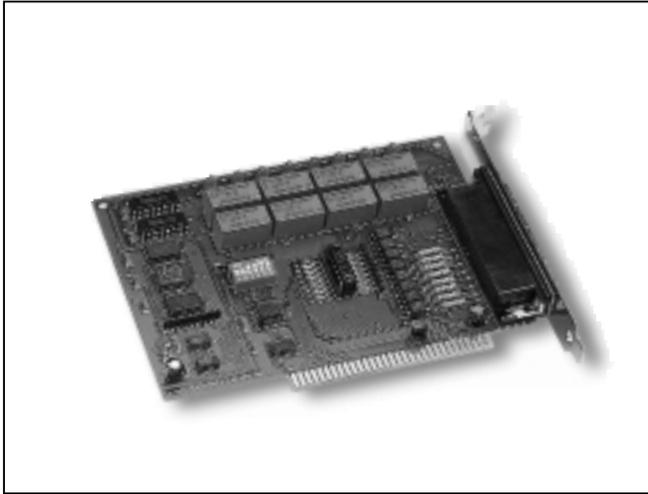




P8R8DIO

Isolated 8 Digital Input & 8 Relay Output Board



Functional Description

The P8R8 DIO is an 8 Isolated input and 8 relay output interface board designed for control and sensing applications. This board is easily installed in any PC/AT/XT or compatible computer. The P8R8 DIO Provides 8 electromechanical relay outputs and 8 optically isolated inputs. The P8R8 DIO can be used in various applications including load switching, external switching, contact closure, and others.

Features

- 8 Relay output Channel
- 8 optically isolated digital input channels
- DC signal Input with filter or without filter.
- AC signal input with filter
- Power Requirements: +5V @120mA(max.); +12V @ 180 mA (max.)

Applications

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

Specifications

- Relays
 - Relay output Channels: 8
 - Contact Rating: 0.3 A; 120V AC/DC / 1A; 30V DC
 - Contact arrangement: Output channel 0-3 are Form C

Output channel 4-7 are Form A
 Operating time: 5 m Sec
 Release time: 10m Sec
 Expected life > 100, 000 times (at 30V/1 A)

Inputs

Channels: 8
 Type: Non-polarized opto-isolated, (PC-814)
 Input Voltage: AC/DC 5-24V or VAC (50 -1 K Hz)
 Input Impedance: 1.2 K Ω
 Response Time: 20 μ S (without filter)
 2.2 mS (with filter)
 Isolation: 500 V channel-channel & channel-ground

General Environment

Operating temp: 0-50°C
 Storage temp: -20°C to 70°C
 Humidity: 0 to 90%
 Dimensions: 145 mm x 105 mm

Software

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

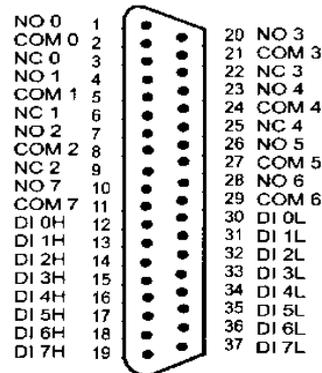
Order Description

- P8R8DIO: Isolated 8 Digital Input/8 Relay Output Board

Options

- DB-37: Directly connect to the back of P8R8DIO
- 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

Pin Assignment



Note:

NO: Normal Open DI nH: Digital Input High
 NC: Normal Close DI nL: Digital Input Low
 Com: Common