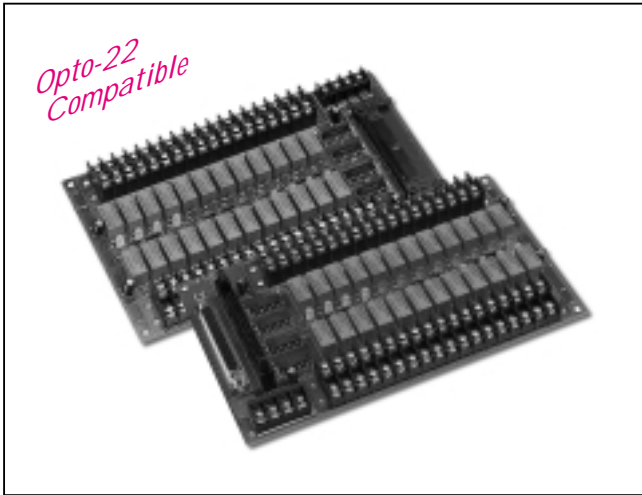




DB-24R / DB-24RD

24-Channel Relay Output Board

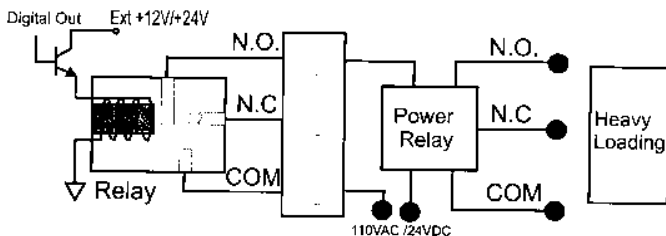


Functional Description

The DB-24R consists of 24 form C, electromechanical relays for efficient switching of load by programmed control. The contact of each relay can control a 0.5 A/110 V load or 1A/24VDC. The relay is energized by applying a 5 voltage signal to the appropriate relay channel on the 50-pin Opto-22 compatible connector or D-Sub 37 connector. Twenty-four annunciator LEDs, one for each relay, light when their associated relay is activated. To avoid overloading your PC's power supply, this board needs a +12VDC or +24VDC external power supply.

Features

- 24 Form C Relays (SPDT)
- OPTO-22 Compatible Connector
- Connects directly to DIO-24, DIO-48, DIO-144 OPTO-22 compatible board
- Switch up to 0.5A at 120 VAC
- Switch up to 1A at 24VDC



- On board relay driver circuits
- LED's indicates relay status
- Screw terminals for easy field wiring

Applications

- On/off control
- Energy management
- Test automation
- Process control

Specifications

- Form C Relay
 - Type: 1 form C
 - Nominal load: 0.5 A /120 VAC, 1A/24 VDC
 - Max. Switching power: 60VA, 24W
 - Max. Switching Voltage: 120VAC, 60VDC
 - Max. Switching Current: 1A
 - Life Expectancy: Mechanical (2×10^7), Electrical (2×10^5)
 - Time Value: Operate (6 ms)
 - Control Logic: Input TTL high (+5V) , relay on
 - Power Consumption: +12V @0.3A max
 - +5V @0.18A max

- Dimensions: 225mm x 132mm
- Operating Temperature: 0 -50°C
- Storage Temperature: -20-70°C
- Humidity: 5% to 90 %

Order Description

- DB-24R/12: 24 channel OPTO-22 Relay (12V) Board
- DB-24R/12/DIN: DB-24R/12 with DIN-Rail mounting kit
- DB-24R/24: 24 channel OPTO-22 Relay (24V) Board
- DB-24R/24/DIN: DB-24R/24 with DIN-Rail mounting kit
- DB-24RD/12: 24 channel OPTO-22 Relay Board (12V) with D-Sub 37 connector
- DB-24RD/12/DIN: DB-24RD/12 with DIN-Rail mounting kit
- DB-24RD/24: 24 channel OPTO-22 Relay Board (24V) with D-Sub 37 connector
- DB-24RD/24/DIN: DB-24RD/24 with DIN-Rail mounting kit