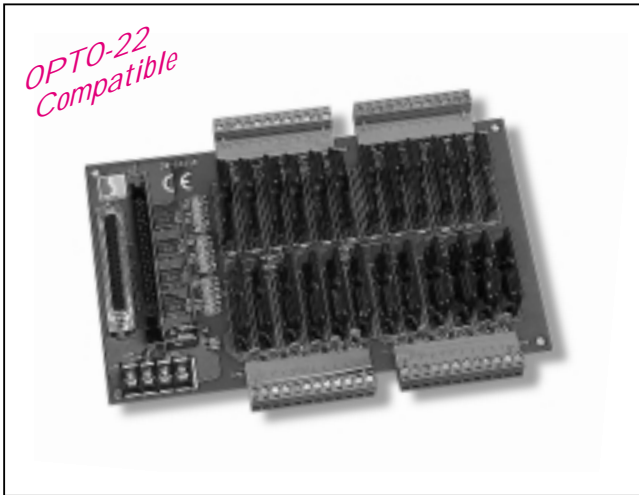




DB-24SSR

24-Channel Solid State Relay Output Board



Functional Description

The DB-24SSR includes 24 normally open, or Form A, solid-state relays. The board interface to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The user can use the DB-24SSR to switch high voltage load, up to 240VAC and up to 4 A. The relay is energized by applying a 5 volt signal to the appropriate relay channel on the 50-pin OPTO-22 compatible connector or 37-pin D-Sub connector. Twenty-four enunicator LEDs, one for each relay, light when their associated relay is activated. Because there is a D-sub 37-pin connector on the board, the user may use it to interface to any TTL output board. In other words, the user may use it as a general purpose Solid State Relay Output Board.

Features

- 24 optically isolated digital output channels
- 24 Form A solid-state relays
- Switch up to 4A at 250VAC
- 5VDC logic levels
- 2,500V optical isolation
- LEDs indicate relay status
- Screw terminal for easy field wiring
- Can choose plug-in screw-terminal blocks, ensuring simple installation, modification and maintenance

- 50-Pin header connects directly to DIO-24,DIO-48,DIO-144,PIO-D144 OPTO-22 compatible board or any 722,724 series board
- D-Sub 37 pin connector connects directly to PCI-D144 board or another OPTO-22 board with ADP-37 adapter

Applications

- On/off control
- Energy management
- Test Automation
- Process Control

Specifications

- Solid State Relay
- Load Voltage : 50-250VAC
- Repetitive peak OFF voltage : 600 V
- Surge current : 50 A
- Maxi. Load current : 4 A
- Maxi. "OFF-state" leakage current : 50 mA
- Operate time, max. : 1/2 cycle of voltage sine wave
1 ms (Zero-cross)
Power Consumption :5V @ 0.4A max.
Dimension :130mmx220mm
Operating Temperature : 0 -60°C
Storage Temperature : -20-70°C
Humidity : 5% to 90 % noncondensing

Order Description

- DB-24SSR: 24 channel OPTO-22 Solid State Relay Output Board with 1.5 meter Flat Cable
- DB-24SSR/DIN: DB-24SSR with DIN-Rail mounting kit
- DB-24SSR/D: 24 channel OPTO-22 Solid State Relay Output Board with 1.5 meter 37- pin D-Sub Cable
- DB-24SSR/D/DIN: DB-24SSR/D with DIN-Rail mounting kit
- DB-24SSR/D/P: 24 channel OPTO-22 Solid State Board Output Board with Plug-in terminal & 1.5 meter 37- pin D-Sub Cable
- DB-24SSR/D/P/DIN: DB-24SSR/D/P with DIN-Rail mounting kit