

# DB-24SSR

## 24-channel solid state relay output board



### Functional Description

The DB-24SSR includes 24 normally open, Form A, solid-state relays. The board acts as an interface to field logic signals and can eliminate ground-loop problems and isolate the host computer from damaging voltages. The user can use the DB-24SSR to switch high voltage load which can be up to 250VAC and up to 4 A. The relay is energized by applying a 5 volt signal to the appropriate relay channel via a 50-pin OPTO-22 compatible connector or a 37-pin D-Sub connective. Twenty-four enunicator LEDs, one for each relay, light when their associated relays are activated.

### Specifications

#### Solid State Relay Output

- Load voltage: 50~250VAC
- Repetitive peak OFF voltage: 600V
- Surge current: 50 A
- Max. load current: 4 A
- Min. load current: 20 mA
- Max. "OFF-state" leakage current: 50 mA
- Operate time: 1/2 cycle of voltage sine wave 1 ms max (Zero-cross)

#### General Specifications

- Power requirements: 5V@0.4A max
- Operating temperature: 0 ~ 60°C
- Operating humidity: 0 ~ 90% non-condensing
- Storage temperature: -20 ~ 80°C
- Dimensions: 130 mm x 220 mm

### Features

- 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
- Plug-in screw-terminal blocks, ensuring simple installation, modification and maintenance

### Ordering Information

#### Standard

<b>DB-24SSR:</b>	24-channel OPTO-22 solid state relay output board with CA-5015 cable
<b>DB-24SSR/DIN:</b>	DB-24SSR with DIN-rail mounting kit
<b>DB-24SSR/D:</b>	24-channel OPTO-22 solid state relay output board with CA-3710 cable
<b>DB-24SSR/D/DIN:</b>	DB-24SSR/D with DIN-rail mounting kit
<b>DB-12SSR:</b>	12-channel OPTO-22 solid state relay output board with CA-5015 cable
<b>DB-12SSR/DIN:</b>	DB-12SSR with DIN-rail mounting kit
<b>DB-12SSR/D:</b>	12-channel OPTO-22 solid state relay output board with CA-3710 cable
<b>DB-12SSR/D/DIN:</b>	DB-12SSR/D with DIN-rail mounting kit

#### Optional

<b>CA-3720:</b>	37-pin D-sub cable, 2m
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