

SIGNAL CONDITIONERS

24-Channel Solid State Relay Output Board

OME-DB-24SSR



- ✓ 24 SSR (AC)
- ✓ One OPTO-22 Compatible Connector, One 37-Pin D-Sub Connector and One 20-Pin Connector
- ✓ Connects Directly to OPTO-22 Compatible Board
- ✓ LED's Indicate Relay Status
- ✓ Screw Terminals for Easy Field Wiring
- ✓ 2500 V Optical Isolation

The OME-DB-24SSR includes 24 normally open, or Form A, solid-state relays. The board interfaces to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The user can use the OME-DB-24SSR to switch high voltage loads up to 240 Vac and up to 4 A. The relay is energized by applying a 5 V signal to the appropriate relay channel on the 50-pin OPTO-22 compatible connector or 37-pin D-Sub

connector. Twenty-four enunciator 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.

Specifications

SOLID STATE RELAY (SSR)

Load Voltage: 50 to 250 Vac

Repetitive Peak Off Voltage: 600 V

Surge Current: 50 A

Maximum Load Current: 4 A

Maximum "Off-State" Leakage Current: 5 mA

Operating Time Maximum:

1/2 cycle of voltage sine wave: 1 ms

Power Consumption:

+5 V @ 0.4 A max

Dimensions:

130 H x 220 mm W (5.1 x 8.7")

Operating Temperature:

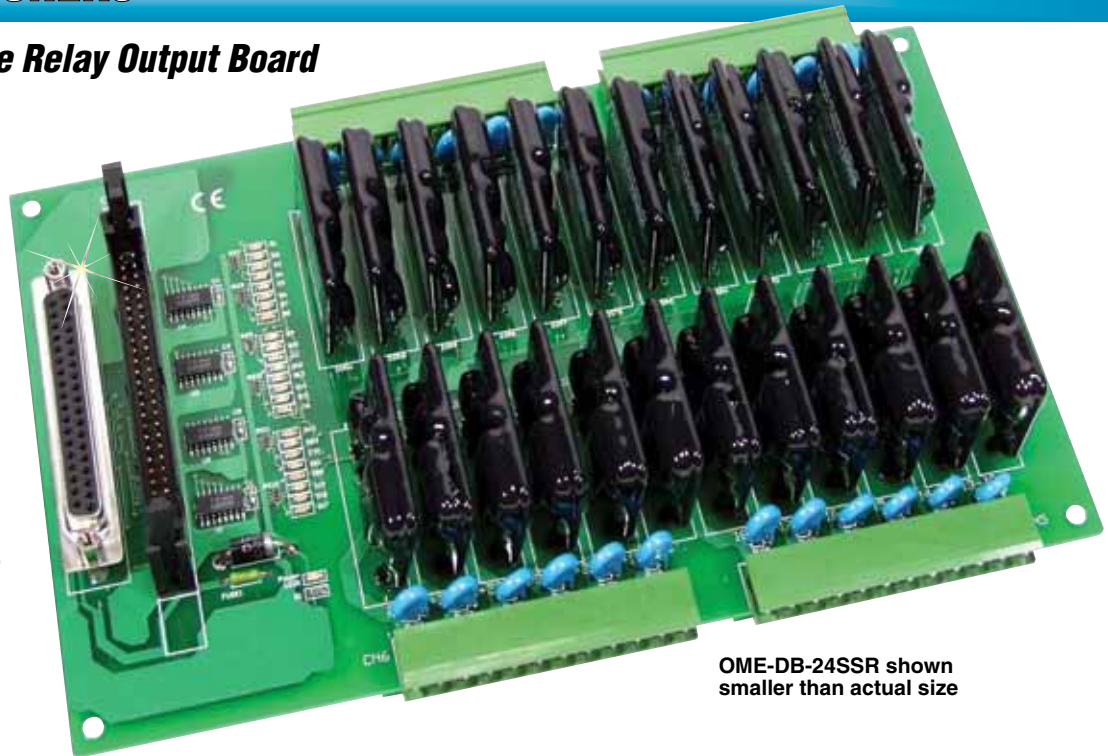
0 to 60°C (32 to 140°F)

Storage Temperature:

-20 to 70°C (-4 to 158°F)

Humidity:

5 to 90% RH non-condensing



OME-DB-24SSR shown smaller than actual size

To Order

Model Number	Description
OME-DB-24SSR	24-channel SSR output daughter board, includes 1.5 m (5') 50-pin flat cable
OME-DB-24SSR/DIN	OME-DB-24SSR with DIN-rail mounting kit
OME-DB-24SSR/D	24-channel SSR output daughter board with 37-pin D-Sub connector, includes 1 m (3') 37-pin D-Sub connector cable
OME-DB-24SSR/D/DIN	OME-DB-24SSR/D with DIN-rail mounting kit
OME-CA-5015	50-pin flat cable, 1.5 m (5')
OME-CA-2010	20-pin flat cable, 1 m (3')
OME-CA-2020	20-pin flat cable, 2 m (7')
OME-CA-3710	37-pin male-male D-sub connector cable 1 m (3')