

24-Channel Relay Output Board

**OME-DB-24R/
OME-DB-24RD**

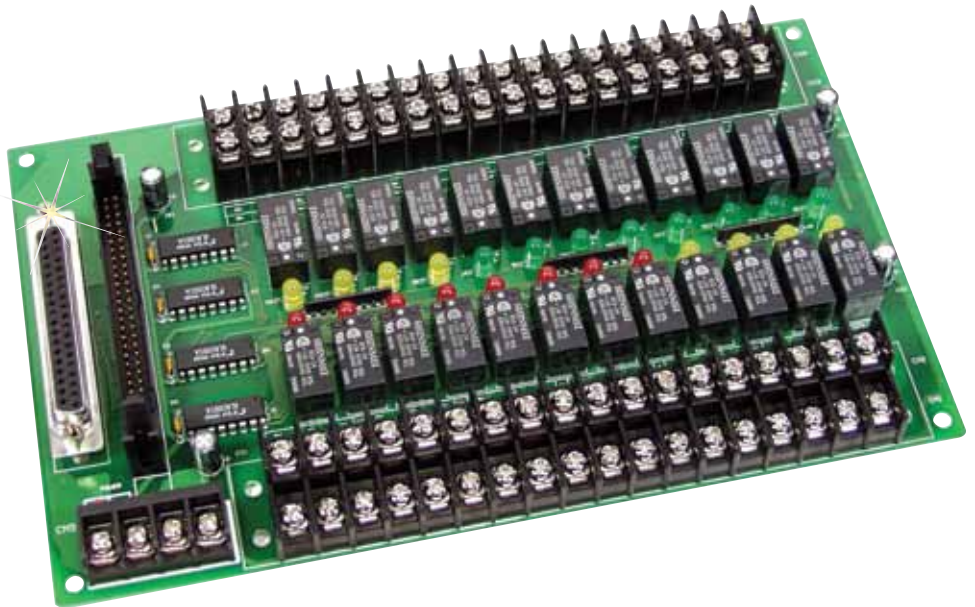


- ✓ 24 Form C SPDT Relays
- ✓ OPTO-22 Compatible Connector
- ✓ Connects Directly to OME-DIO-24, OME-DIO-48, OME-DIO-144 or Other OPTO-22 Compatible Digital Output Board
- ✓ Switch up to 0.5A at 120 Vac; Switch up to 1A at 24 Vdc
- ✓ On Board Relay Driver Circuits
- ✓ LED's Indicate Relay Status
- ✓ Screw Terminals for easy Field Wiring

The OME-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 1 A/24 Vdc. 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 LED's, one for each relay, light when their associated relay is activated. To avoid overloading your PC's power supply, this board needs a +12 Vdc or +24 Vdc external power supply.

Specifications

Relay Type: 24 form C SPDT
Nominal Load:
 0.5 A @120 Vac, 1A @ 24 Vdc
Maximum Switching Power:
 60 VA, 24 W
Maximum Switching Voltage:
 120 Vac, 60 Vdc
Maximum Switching Current: 1A
Life Expectancy: mechanical
 (2×10^7), electrical (2×10^5)
Time Value: operate (6 ms)



Control Logic: input TTL high (+5 V) current, relay on
Power Consumption:
 +12 V @ 528 mA max;
 +5 V @ 150 mA max
Dimensions: 132 H x 225 mm W
 (8.1 x 4.5")
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

Connector: OME-DB-24, one 50-pin header; OME-DB-24RD, one 50-pin header and one 37-pin D-sub connector

To Order

Model No.	Description
OME-DB-24R/12	24-channel relay board (12 V version), includes 1.5 m (5') 50-pin flat cable
OME-DB-24R/24	24-channel relay board (24 V version), includes 1.5 m (5') 50-pin flat cable
OME-DB-24R/12/DIN	OME-DB-24R (12 V version) with DIN-rail mounting kit
OME-DB-24R/24/DIN	OME-DB-24R (24 V version) with DIN-rail mounting kit
OME-DB-24RD/12	24-channel relay board with 37-pin D-sub connector (12 V version), includes 1 m (3') 37-pin D-sub connector cable
OME-DB-24RD/24	24-channel relay board with 37-pin D-sub connector (24 V version), includes 1 m (3') 37-pin D-sub connector cable
OME-DB-24RD/12/DIN	OME-DB-24RD (12 V version) with DIN-rail mounting kit
OME-DB-24RD/24/DIN	OME-DB-24RD (24 V version) with DIN-rail mounting kit
OME-CA-5015	50-pin flat cable 1.5m (5')
OME-CA-3710	37-pin male-male D-sub connector cable 1 m (3')
OME-CA-3720	37-pin male-male D-sub connector cable 2 m (7')