

SIGNAL CONDITIONERS

24-Channel Relay Output Board

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

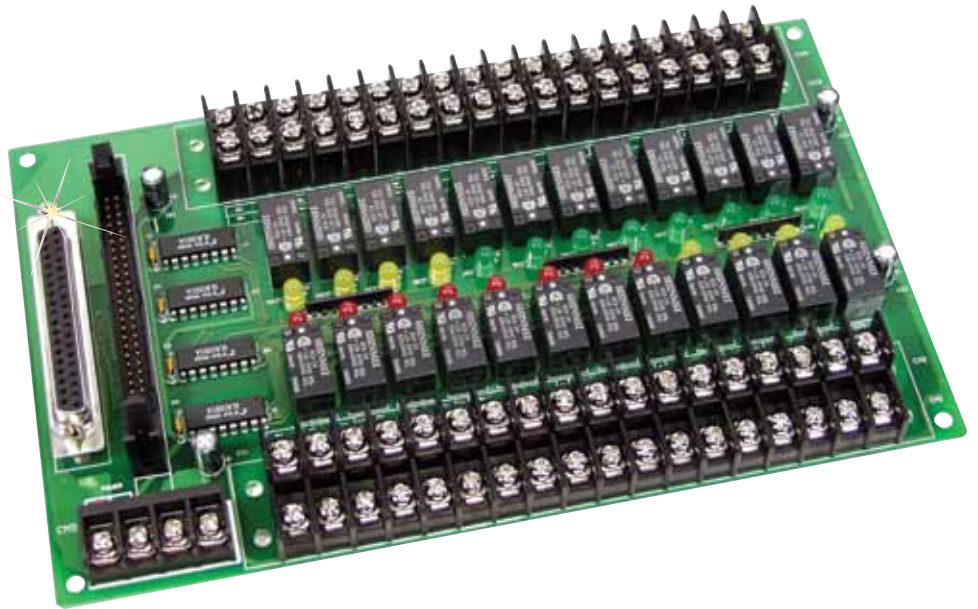


- ✓ 24 Form C SPDT Relays
- ✓ OPTO-22 Compatible Connector
- ✓ Connects Directly to OME-DIO-24, OME-DIO-48, OME-DIO-144 or Other OPTO-22 Compatible Digital Output Board
- ✓ Switch up to 0.5A at 120 Vac; Switch up to 1A at 24 Vdc
- ✓ On Board Relay Driver Circuits
- ✓ LED's Indicate Relay Status
- ✓ Screw 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 x 10⁷), electrical (2 x 10⁵)
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



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

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')

Each board includes complete operator's manual on CD ROM.

Ordering Example: OME-DB-24R 16-channel isolated digital input board and OCW-1, OMEGACARESM extends standard 1-year warranty to a total of 2 years.