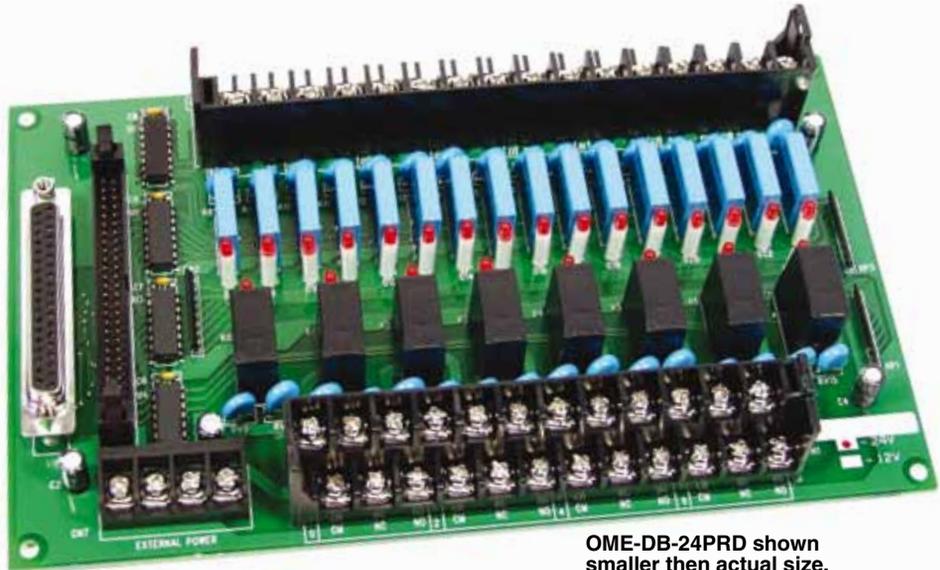


24-Channel Power Relay Output Board

OME-DB-24PR/DB-24PRD



- ✓ Accepts 20-Pin Connector (OME-DB-24PR Only) to Control 8 Form C and 8 Form A Relays
- ✓ Switch up to 5A at 250 Vac / 5A at 30 Vdc
- ✓ Includes Varistor to Protect Each Channel Against High Voltage Spike
- ✓ Screw Terminals for Easy Field Wiring
- ✓ 50-Pin Header Connects Directly to OME-PIO-D24, OME-PIO-D48, OME-PIO-D96, OME-PIO-D144 or Other OPTO-22 Compatible Board
- ✓ 20-Pin Header (OME-DB-24PR Only) Connects Directly to OME-A-82XPG Series or OME-PCI-1800 Series
- ✓ 37-Pin D-Sub Connector (OME-DB-24PRD Only) Attaches to OME-PIO-D24, OME-PIO-D48, OME-PIO-D56, OME-PIO-D96 or OME-PIO-D144 Boards



OME-DB-24PRD shown smaller than actual size.

Maximum Switching Voltage:
270 Vac, 150 Vdc
Maximum Switching Current:
5 A
Life Expectancy: Mechanical (2 x 10⁷), Electrical (3 x 10⁶)
Time Value: (10 ms)
Control Logic:
Input TTL high (+5V), relay on
Power Consumption:
24V @ 0.8 A maximum;
5V @ 0.2 A maximum

Operating Temperature:
0 to 60°C (32 to 140°F)
Storage Temperature:
-20 to 70°C (-4 to 158°F)
Dimensions:
210 H x 130 mm W (8.3 x 5.1")
Humidity: 5 to 90% RH non-condensing



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.

The OME-DB-24PR 24-Channel power relay output board consists of 8 form C and 16 form A electromechanical relays for efficient switching of loads by programmed control. The contact of each relay can control a 5 A load at 250 Vac/30 Vdc. The relay is energized by applying a 5 voltage signal to the appropriate relay channel on the 50-pin OPTO-22 compatible connector, 37-pin D-sub connector (OME-DB-24PRD only) or 20-pin flat cable connector (OME-DB-24PR only). 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

Nominal Load: 50 A/250 Vac, 5 A/30 Vdc
Maximum Switching Power: 0.1 HP

To Order	
Model No.	Description
OME-DB-24PR/24	24-channel power relay board (24V version) includes 1.5 m (5') 50-pin flat cable
OME-DB-24PR/12	24-channel power relay board (12V version) includes 1.5 m (5') 50-pin flat cable
OME-DB-24PR/24/DIN	OME-DB-24PR 24V version with DIN-rail mounting kit
OME-DB-24PR/12/DIN	OME-DB-24PR 12V version with DIN-rail mounting kit
OME-DB-24PRD/24	24-channel power relay board with 37-pin D-sub connector (24V version), includes 1 m 37-pin D-sub connector cable
OME-DB-24PRD/12	24-channel power relay board with 37-pin D-sub connector (12V version), includes 1 m 37-pin D-sub connector cable
OME-DB-24PRD/24/DIN	OME-DB-24PRD 24V version with DIN-rail mounting kit
OME-DB-24PRD/12/DIN	OME-DB-24PRD 12V version with DIN-rail mounting kit
OME-CA-2010	20-pin flat cable, 1 m (3')
OME-CA-2020	20-pin flat cable, 2 m (7')
OME-CA-5015	50-pin flat cable, 1.5 m (5')
OME-CA-3720	37-pin male-male D-sub connector cable 2 m (7')
OME-CA-3710	37-pin male-male D-sub connector cable 1 m (3')

Comes complete with operator's manual on CD.

Ordering Example: OME-DB-24PR/12, 24-channel power relay board and OCW-1 OMEGACARESM 1 year extended warranty for OME-DB-24PR/12 (adds 1 year to standard 1 year warranty).