

24-Channel Power Relay Output Board

OME-DB-24PR/DB-24PRD

\$319

Basic Unit



- ✓ Accepts 20-Pin Connector 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-DIO-24, OME-DIO-48, OME-DIO-144 or Other OPTO-22 Compatible Board
- ✓ 20-Pin Header Connects Directly to OME-A-82X, OME-A-626, OME-A-628, OME-DIO-64

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 or 20-pin flat cable 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

Nominal Load: 50 A/250 Vac, 5 A/30 Vdc

Maximum Switching Power: 0.1 HP

Maximum Switching Voltage: 270 Vac, 150 Vdc

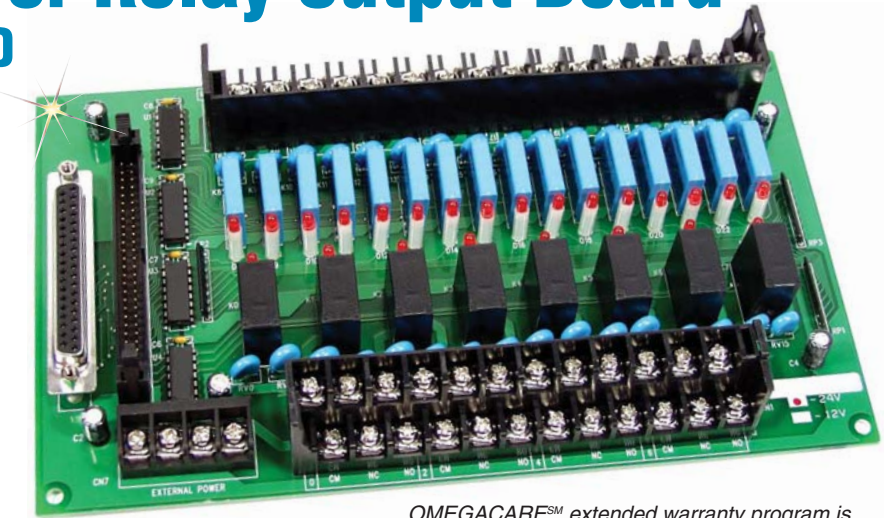
Maximum Switching Current: 5 A

Life Expectancy: Mechanical (2 x 10⁷), Electrical (3 x 10⁴)

Time Value: (10 ms)

Control Logic:

Input TTL high (+5 V), relay on



OME-DB-24PR/12, \$319, shown smaller than actual size

Power Consumption:
24 V @ 0.8 A maximum;
5 V @ 0.2 A maximum
Operating Temperature:
0 to 60°C (32 to 140°F)

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

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

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)		
Model Number	Price	Description
OME-DB-24PR/24	\$339	24-channel power relay board (24 V version) includes 1.5 m (5') 50-pin flat cable
OME-DB-24PR/12	319	24-channel power relay board (12 V version) includes 1.5 m (5') 50-pin flat cable
OME-DB-24PR/24/DIN	349	OME-DB-24PR 24V version with DIN-rail mounting kit
OME-DB-24PR/12/DIN	329	OME-DB-24PR 12V version with DIN-rail mounting kit
OME-DB-24PRD/24	329	24-channel power relay board with 37-pin D-sub connector (24 V version), includes 1 m 37-pin D-sub connector cable
OME-DB-24PRD/12	319	24-channel power relay board with 37-pin D-sub connector (12 V version), includes 1 m 37-pin D-sub connector cable
OME-DB-24PRD/24/DIN	329	OME-DB-24PRD 24 V version with DIN-rail mounting kit
OME-DB-24PRD/12/DIN	329	OME-DB-24PRD 12 V version with DIN-rail mounting kit
OME-CA-2010	10	20-pin flat cable, 1 m (3')
OME-CA-2020	19	20-pin flat cable, 2 m (7')
OME-CA-5015	29	50-pin flat cable, 1.5 m (5')
OME-CA-3720	49	37-pin male-male D-sub connector cable 2 m (7')
OME-CA-3710	39	37-pin male-male D-sub connector cable 1 m (3')

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

Ordering Example: OME-DB-24PR/12, 24-channel power relay board and OMEGACARESM 1 year extended warranty for OME-DB-24PR/12 (adds 1 year to standard 1 year warranty), \$319 + 30 = \$349.

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