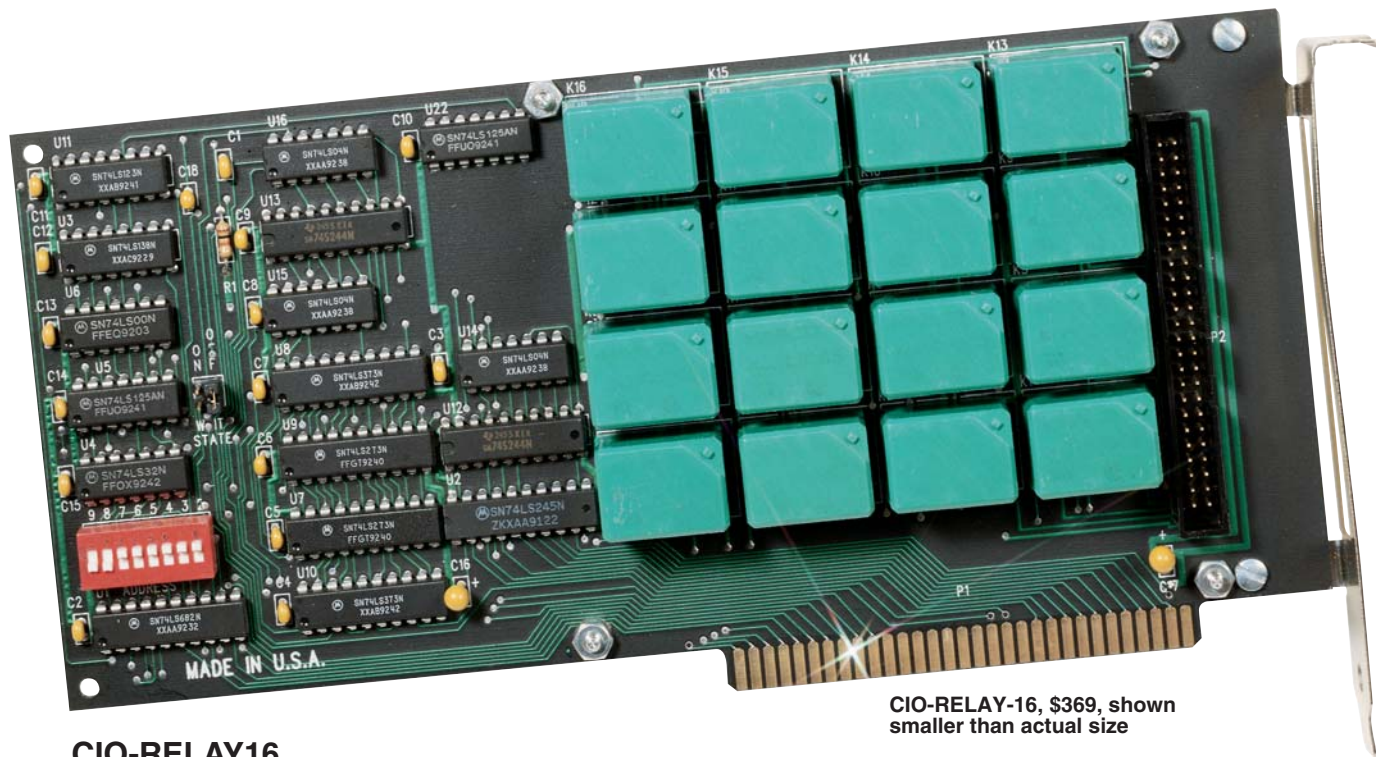


16 Channel Relay Board

For IBM PC and Compatibles



CIO-RELAY16
\$369

- ✓ **16 Form C Electro-Mechanical Relays**
- ✓ **Contacts Rated 6 A at 120 Vac or 28 Vdc Resistive**

The CIO-RELAY16 allows a user to control 16 high voltage electronic devices from one slot in a PC. All 16 relays are full form C with three contacts per relay. Programming the board is simple, and requires no special software drivers. The board may be controlled from any language which supports writing to the computers' I/O bus.

The 16 relays are addressed as two 8-bit ports. The contacts are rated 6 A at 120 Vac or 28 Vdc resistive. The CIO-RELAY16 also includes a protective cover (not shown).

A 50-pin header connector provides access to all contacts. It uses standard 0.10" spacing designed to mate with insulation displacement connectors and ribbon cables.

Outputs

Sixteen form C relays provide output control for up to 28 Vdc or 120 Vac (50 to 1000 Hz). Form C relays (SPDT) have 3 contacts (Normally Open, Common, Normally Closed). The center contact (common) may make contact with either of the other two.

Base Address

The base address of the board is controlled by an 8 position DIP switch which provides access to all of the PCs I/O address space. In general the base address is set to 300 Hex. The CIO-RELAY16 occupies 2 I/O addresses.

CIO-RELAY-16, \$369, shown smaller than actual size

Specifications

Relays:

16 form C SPDT

Contact Rating:

6 A @ 120 Vac
or 28 Vdc resistive load

Contact Resistance:

100 mΩ max.

Operating Time: 20 msec

Release Time: 10 msec

Life: 10 million mechanical operations, min; 100,000 electrical operations at full load

Power Supply: +5 V, 2.0 A max

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
CIO-RELAY16	\$369	16 channel electro-mechanical relay board
CIO-MINI50	69	Screw terminal board, requires C50FF-2 cable
C50FF-2	25	Connection cable, .6 m (2')
UNIV-DRVR	49	Universal Driver Library for DOS and Windows
CIO-LABVIEW-DRVR	49	LabVIEW Driver

Ordering Example: CIO-RELAY16 electro-mechanical relay board with CIO-MINI50 terminal panel, C50FF-2 cable and OMEGACARESM 1 year extended warranty (adds 1 year to standard 3 year warranty), \$369 + 69 + 25 + 25 = **\$488.**



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488

FRANCE

www.omega.fr

Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl

Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters