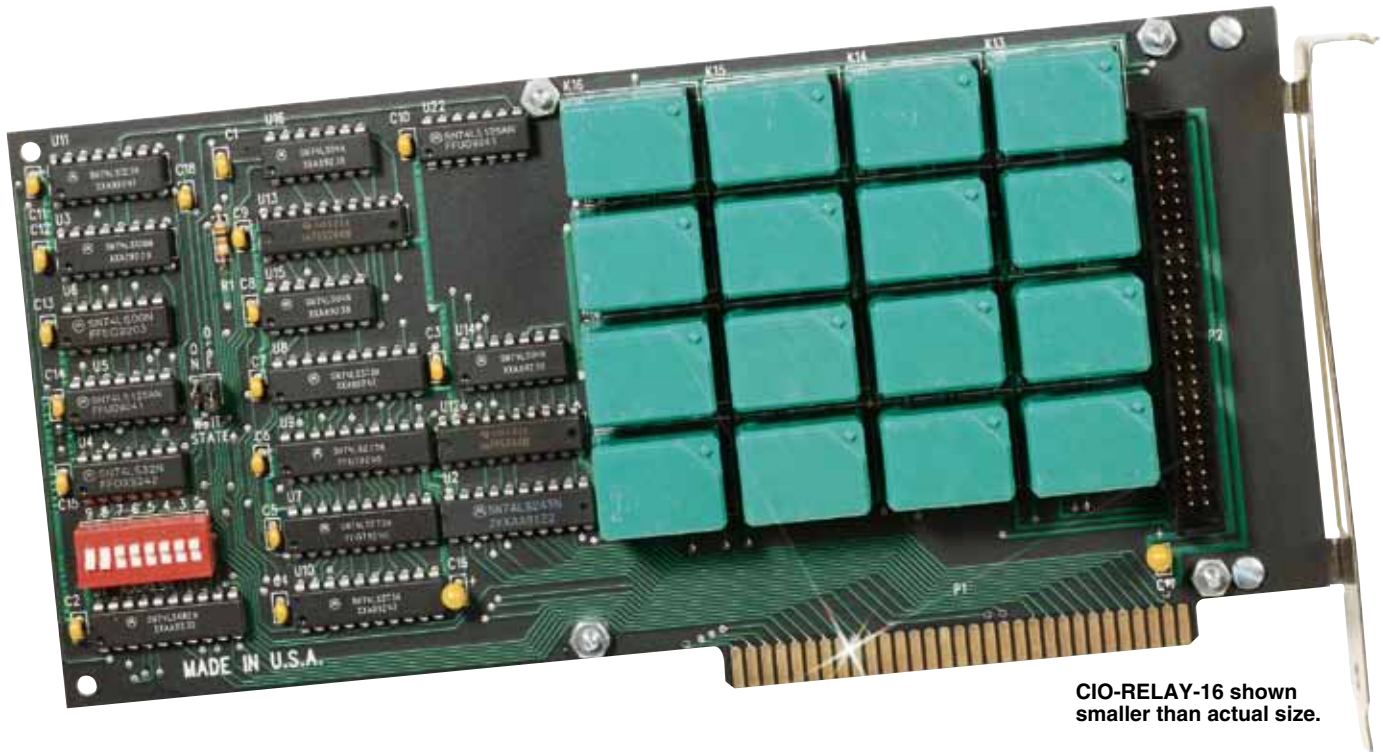


16 Channel Relay Board



CIO-RELAY-16 shown smaller than actual size.

CIO-RELAY16



- ✓ **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 ISA 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.

Specifications

Relays:

16 form C SPDT

Contact Rating:

3 A @ 120 Vac
or 28 Vdc resistive load

Contact Resistance:

100 mΩ maximum

Operating Time: 20 msec

Release Time: 10 msec

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

Power Supply: +5V, 2.0 A max



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
CIO-RELAY16	16 channel electro-mechanical relay board
CIO-MINI50	Screw terminal board, requires C50FF-2 cable
C50FF-2	Connection cable, 0.6 m (2')

Comes complete with InstaCal installation, calibration and test utility, Universal Library programming libraries for Windows XP SP2/Vista/7, LabVIEW drivers and operator's manual on CD.

Ordering Example: CIO-RELAY16 electro-mechanical relay board with CIO-MINI50 terminal panel, C50FF-2 cable and OCW-1, OMEGACARESM extends standard 3-year warranty to a total of 4 years.