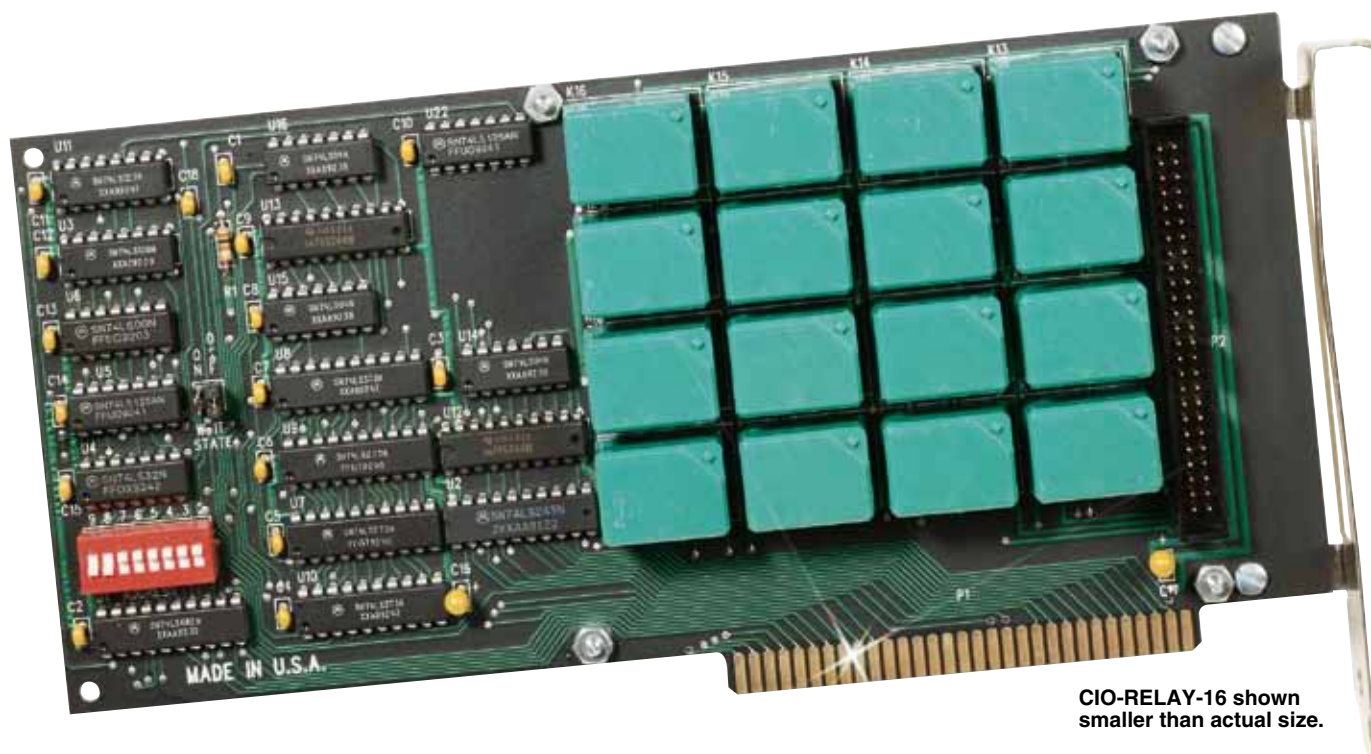


# 16 Channel Relay Board



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

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### To Order

Model No.	Description
<b>CIO-RELAY16</b>	16 channel electro-mechanical relay board
<b>CIO-MINI50</b>	Screw terminal board, requires C50FF-2 cable
<b>C50FF-2</b>	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, OMEGACARE<sup>SM</sup> extends standard 3-year warranty to a total of 4 years.