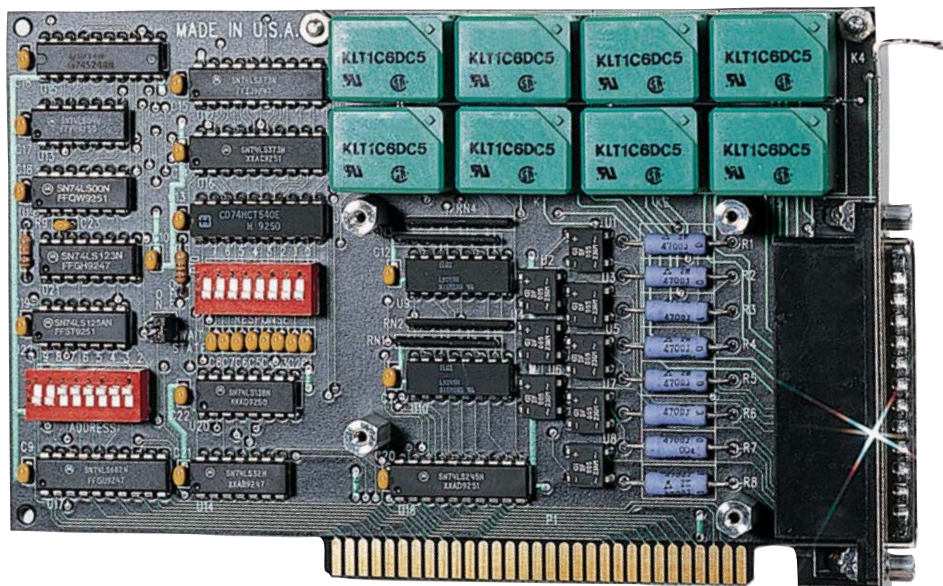


CIO-PDIS08 Electro-Mechanical Relays/Isolated Digital Input Board for IBM PC and Compatibles



Shown smaller than actual size

Model CIO-PDIS08
\$369



- ✓ 5 Form C Electro-Mechanical Relays
- ✓ 3 Form A Electro-Mechanical Relays
- ✓ 8 Isolated Inputs Rated to 500 V

The CIO-PDIS08 board is a low cost, low profile way to control and monitor high voltage ac or dc directly from your personal computer. It provides 8 electro-mechanical relays for output actuation and 8 isolated digital inputs.

Outputs

Five form C and three form A relays provide output control for up to 28 Vdc or ac (50-1000 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. Form A relays have 2 contacts, Normally Open and Common.

Isolated Inputs

Eight opto-isolated inputs provide 500 V of isolation. Each input has a filter which should be used when monitoring ac signals, and may be used to slow down dc signals.

Programming

Programming a digital I/O board is easy from any language that supports access to the I/O bus. A base address switch assigns a unique address to the board's I/O registers. Programming is accomplished by reading the I/O registers. Each I/O address controls 8 outputs or inputs. Reading an input provides the input state at the moment the register is read.

A software driver is also available. The Universal Driver Library supports programming from most DOS and Windows languages. A LabVIEW driver is also available.

Specifications

Relays: 8; 5 form C SPDT, 3 form A normally open

Contact Rating: 3 A @ 120 Vac or 28 Vdc resistive load
Contact Resistance: 100 mΩ max.
Operating Time: 20 msec
Release Time: 10 msec
Life: 10 million operations, minimum
Digital Inputs: 8, opto-isolated, non-polarized; not TTL compatible
Isolation: 500 V channel-to-channel and channel-to-ground
Input Range: 5 to 24 Vdc or ac 50 to 1000 Hz
Input Impedance: 470 Ω min.
Response Time: 20 μsec without filter, 1 msec with filter

To Order (Specify Model Number)		
Model No.	Price	Description
CIO-PDIS08	\$369	Electro-mechanical relay/digital input board
CIO-MINI37	69	4 x4" screw terminal board, requires C37FF-2 cable
C37FF-2	25	Connection cable, 2 ft
UNIV-DRVR	49	Universal Driver Library for DOS and Windows
CIO-LABVIEW-DRVR	49	LabVIEW Driver

Ordering Example: CIO-PDIS08 relay/digital input board with CIO-MINI37 terminal panel, C37FF-2 cable and OMEGACARESM 1-year extended warranty (adds 1 year to standard 3-year warranty), \$369 + 69 + 25 + 25 = \$488.



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• Flow and Level

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