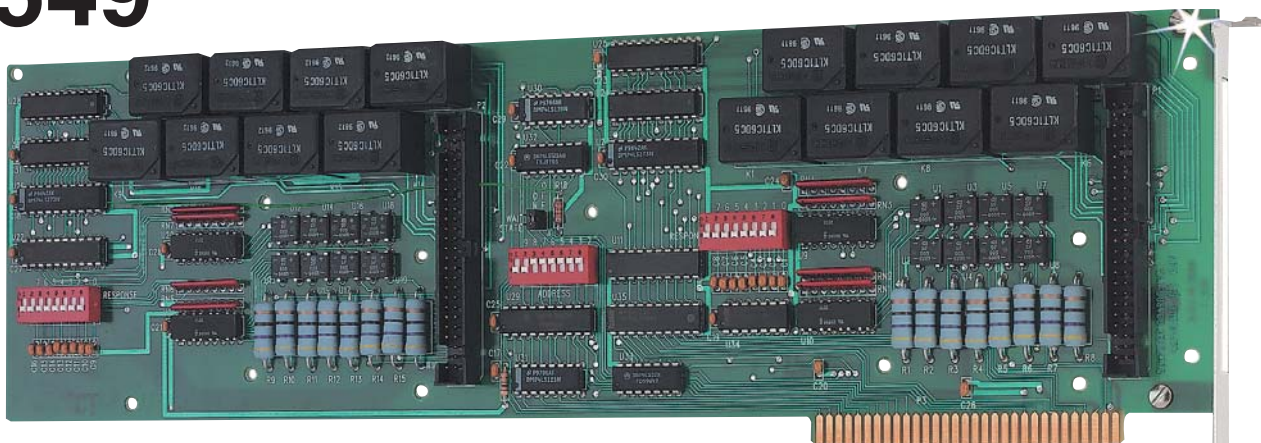


CIO-PDISO16

Electromechanical Relay Output and Isolated Input Plug-In Board for PC ISA Bus

Model CIO-PDISO16

\$549



- ✓ **16 Electromechanical Relay Outputs**
- ✓ **16 Isolated Digital Inputs (500 V Isolation)**
- ✓ **Digital Inputs Accept AC or DC Signals**

Providing 16 electromechanical relays for output actuation and 16 isolated inputs (500 V), the CIO-PDISO16 board is a low cost, low profile way to monitor and control high voltage AC or DC directly from your personal computer.

The 16 relays are addressed as two 8-bit ports. Ten relays are form C SPDT and 6 are form A normally open. The contacts are rated at 5 A at 120 Vac or 6 A @ 28 Vdc with resistive load. The 16 isolated inputs are also addressed as two bytes. The inputs are not polarity sensitive and may be mixed between 5-24 Vac (50-1000 Hz) and 5-24 Vdc (not TTL compatible). Although the connector is a 50-pin header, it maps directly to a 37-pin through the BP40-37 for customers who want to maintain a strict CIO-PDISO8 configuration.

Software Support

The CIO-PDISO16 is supplied with InstaCal software for configuration and testing. In addition, it is also supported by the optional Universal Library. The Universal Library is a

set of I/O libraries and drivers for users creating their own custom programs. The Universal Library is compatible with most DOS and Windows (16-bit and 32-bit) based languages (DLL and VXD) and supports the entire CIO family of boards. An optional driver for LabVIEW is also available. Icon driven control programs such as Labtech Notebook, Labtech Control and DasyLab support the CIO-PDISO16.

Specifications RELAY OUTPUTS

Quantity: 16 total; 10 are Form C and 6 are Form A normally open
Contact Rating: 28 Vdc @ 6 A, 120 Vac @ 5 A
Contact Type: Gold overlay silver

Contact Resistance: 100 MΩ max
Operating Time: 20 msec
Release Time: 10 msec
Life: 10 million operations, minimum
ISOLATED INPUTS
Quantity: 16 Opto-isolated, non-polarized. Not TTL compatible
Isolation: 500 V channel-to-channel and channel-to-ground
Input Range: 5 to 24 Vdc or 5 to 24 Vac 50 to 1000Hz
Input Impedance: 470 Ω min
Response Time: 20 μs without filter, 1 ms with filter

To Order (Specify Model Number)

Model Number	Price	Description
CIO-PDISO16	\$549	16 channel isolated digital input and 16 relay output board
CIO-MINI50	69	4 x 4" screw terminal board, 50-pin connector
C50FF-2	25	50 conductor ribbon cable
UNIV-DRVR	49	Universal Software Library (DOS, Windows 3.1, Windows 95, Windows 98 and Windows NT)
CIO-LABVIEW-DRVR	49	LabVIEW driver

The **CIO-PDISO16** comes with InstaCal testing software and complete operator's manual. **OMEGACARESM** extended warranty is available for models shown on this page. Ask your sales representative for full details when placing order.

Ordering Example: **CIO-PDISO16**, **CIO-MINI50** screw terminal panel, **C50FF-2** cable, **OMEGACARESM** 1 year extended warranty for CIO-PDISO16 (adds 1 year to standard 3 year warranty) and **UNIV-DRVR** Universal Library: \$549 + 69 + 25 + 29 + 49 = **\$722**.



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• 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

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• 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