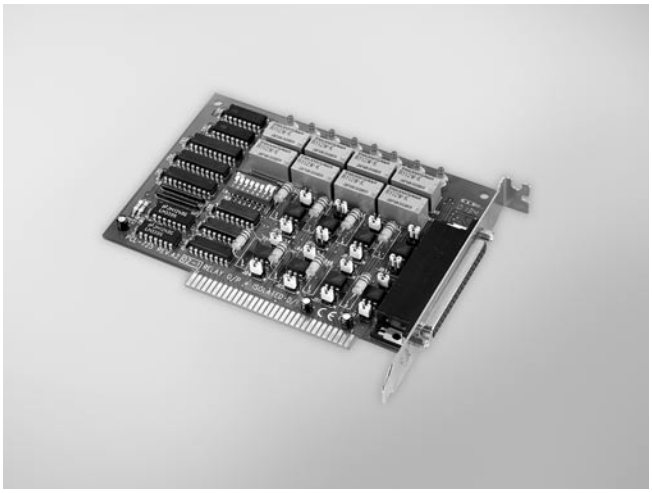
PCL-725

8-ch Relay and 8-ch Isolated Digital Input ISA Card



Features

- 8 x relay output channels and 8 x isolated digital input channels
- LED indicators to show activated relays
- 4 x Form C and 4 x Form A type relay output channels
- Male DB37 matching connector included
- Output status readback

Introduction

The PCL-725 relay actuator and isolated digital input card offers 8 relay actuators and 8 opto-isolated digital inputs on a single board.Typically, the onboard relays can serve as on/off control devices or small power switches. The 8 x opto-isolated DI channels are ideal devices for collecting digital inputs under noisy environment or floating potential. Also, the 8 x isolated inputs provide the best method to prevent any ground loop problems.

For easy monitoring, each relay is equipped with one red LED to reflect its on/off status. Each input channel is jumper selectable to either isolated or non-isolated input. Access to input and output channels is made possible through an onboard 37-pin D type connector.

Specifications

Isolated Digital Input

- **Channels** 8
- **Input Voltage** 5 ~ 24 V_{DC}
- **Isolation Protection** 1,500 V_{DC}
- **Input Resistance** 560 Ω
- **Input Current** 60 mA max.

Non-isolated Digiteal Input

- **Channels** 8 (Jumper-selectable)
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min. (5.25 V max.)

Relay Output

- **Channels** 8
- **Relay Type** SPDT (4 x Form C and 4 x Form A)
- **Contact Rating** 120 V_{AC} @ 0.5 A, or 30 V_{DC} @ 1 A
- **Relay on Time** 8 ms max.
- **Relay off Time** 8 ms max.
- **Life Span** 1 x 10^7 operations
- **Resistance** Contact: 50 MΩ
Insulation: 100 MΩ min.

General

- **Bus Type** ISA
- **I/O Connectors** 1 x DB37 female connector
- **Dimensions (L x H)** 147 x 100 mm (5.75" x 3.9")
- **Power Consumption** +5 V @ < 0.2 A; +12 V @ 33 mA for each relay
< 0.27 A if all eight relays are energized
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F) (IEC 68-2-1, 2)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** 5 ~ 95 % RH, non-condensing (IEC 68-2-3)

Ordering Information

- **PCL-725** 8-ch Relay/Isolated Digital Input ISA Card
- **PCL-10137-1** DB37 Cable, 1 m
- **PCL-10137-2** DB37 Cable, 2 m
- **PCL-10137-3** DB37 Cable, 3 m
- **ADAM-3937** DB37 DIN-rail Wiring Board
- **PCLD-880** Wiring Board w/ Two 20-pin Flat Cables & Adapter