# PCL-735
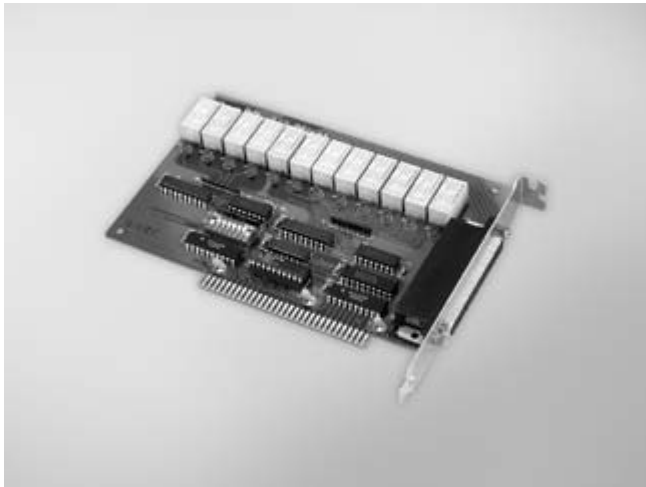
## Features

- 12 relay outputs
- LED indicators to show activated relays
- Male DB37 matching connector included
- Output status readback

## Introduction

Ideal for applications such as on/off control or signal switching, the PCL-735 12-channel relay actuator provides 12 SPDT relays on a half-size card. The on/off status of each relay is easy to monitor. A red LED next to each relay shows its on/off status, and the software can read each relay's status. An onboard DB-37 connector provides access to all output channels.

## Specifications

### Relay Output

- **Channels** 12
- **Relay Type** SPDT, Form C
- **Contact Rating** 2 A @ 30 $V_{DC}$, 1 A @ 125 $V_{AC}$
- **Relay on Time** 5 ms typical
- **Relay off Time** 5 ms typical
- **Life Span** > 5 x $10^5$ operations @ 30 $V_{DC}$ and 2 A
  > 2 x $10^6$ operations @ 30 $V_{DC}$ and 1 A
- **Resistance** Contact: 50 m$\Omega$
  Insulation: 1 G$\Omega$ @ 500 $V_{DC}$ min.

### General

- **Bus Type** ISA
- **I/O Connectors** 1 x DB37 female connector
- **Dimensions (L x H)** 155 x 100 mm (6.1" x 3.9")
- **Power Consumption** Typical: 5 V @ 280 mA
  Max.: 12 V @ 200 mA
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

## Ordering Information

- **PCL-735** 12-ch Relay 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

## Pin Assignments

| | | | |
|---|---|---|---|
| NO0 | 1 | 20 | NO6 |
| COM0 | 2 | 21 | COM6 |
| NC0 | 3 | 22 | NC6 |
| NO1 | 4 | 23 | NO7 |
| COM1 | 5 | 24 | COM7 |
| NC1 | 6 | 25 | NC7 |
| NO2 | 7 | 26 | NO8 |
| COM2 | 8 | 27 | COM8 |
| NC2 | 9 | 28 | NC8 |
| NO3 | 10 | 29 | NO9 |
| COM3 | 11 | 30 | COM9 |
| NC3 | 12 | 31 | NC9 |
| NO4 | 13 | 32 | NO10 |
| COM4 | 14 | 33 | COM10 |
| NC4 | 15 | 34 | NC10 |
| NO5 | 16 | 35 | NO11 |
| COM5 | 17 | 36 | COM11 |
| NC5 | 18 | 37 | NC11 |
| N/A | 19 | | |