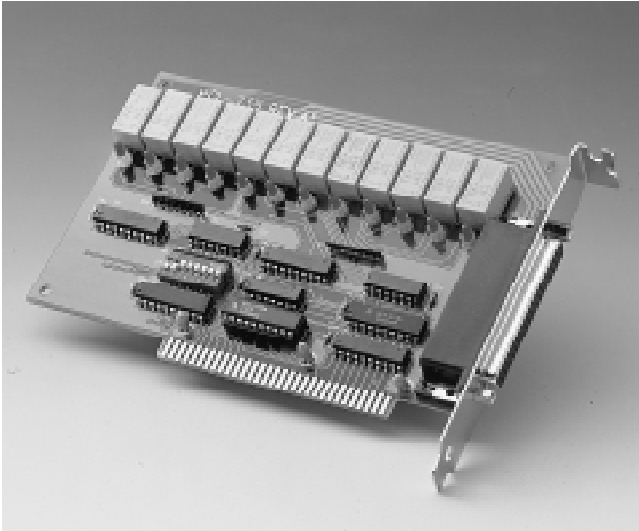


# PCL-735

## 12-channel Relay Actuator Card



### Features

- 12 relay outputs
- LED relay status indicators
- Male DB-37 matching connector included
- Relay status readback function

### Introduction

Ideal for applications such as device On/Off control or signal switching, the PCL-735 12-channel relay actuator provides 12 electro-mechanical 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 on-board DB-37 connector provides access to all output channels.

### Applications

- Industrial On/Off control
- Signal switching
- External relay driving

### Specifications

#### Relay Output

- **Relay type:** Single-pole double-throw (SPDT, Form C)
- **Output type:** Ch0 to Ch11, normally open/normally closed
- **Contact rating:** 125 V<sub>AC</sub> or 100 V<sub>DC</sub> @ 0.6 A
- **Breakdown voltage:** 1000 V AC/DC min.
- **Relay on time:** 3 msec. typical
- **Relay off time:** 3 msec. typical
- **Total switching time:** 10 msec. typical
- **Insulation resistance:** 1000 MW @ 500 V<sub>DC</sub> min.
- **Life expectancy:**
  - > 5 x 10<sup>5</sup> operations @ 30 V<sub>DC</sub> and 2 A
  - > 2 x 10<sup>6</sup> operations @ 30 V<sub>DC</sub> and 1 A

#### General

- **Power consumption:** +5 V @ 280 mA (typical)  
+12 V @ 200 mA (max.)

- **Operating temperature:** 0 ~ +60° C (32 ~ 140° F)
- **Storage temperature:** -20 ~ +70° C (-4 ~ 158° F)
- **Operating humidity:** 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)
- **I/O port address:** Two consecutive bytes from hex 200 ~ 3F8
- **Dimensions:** 155 mm (L) x 100 mm (H) (6.1" x 3.9")

### 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		

NO: Normally open  
COM: Common relay pin  
NC: Normally closed

### Ordering Information

- **PCL-735:** 12-channel relay actuator card, user's manual and one DB-37 male connector (P/N PCL-10437-0)
- **PCL-10137:** DB-37 cable assembly
- **PCLD-880:** Screw terminal board
- **ADAM-3937:** DB-37 wiring terminal for DIN-rail mounting