

# PISO-725

## 8-channel Relay Output 8-channel Isolated Digital Input Board



### Features

- 32-bit +5V PCI Bus, Plug & Play
- 8-channel isolated digital input
- State-changed interrupt for all digital inputs
- Digital input can be isolated or non-isolated selected by hardware jumper
- 8-channel electromechanical relay output
- One Form C for user's external device
- Another Form C for relay status read back
- On-board LEDs indicate output state

### Functional Description

The PISO-725 provides 8-channel electric mechanical relay output and 8-channel digital input. The digital input channels can be isolated or non-isolated that is selected by hardware jumpers. All digital inputs can generate an interrupt if any state change occurs at any one or more of the inputs. This is very useful when monitoring contact closures/ openings since continuously polling the input is not necessary. All relays are de-energized at power-on. On/Off status of the relays can be read back. The PISO-725 can be used in various applications including contact closure checking, external voltage sensing, and loading sensing and control and sensing applications.

### Applications

- Industrial Automation
- Laboratory Automation
- Communication Switching

### Specifications

#### 8 Isolated Digital Input

- Isolated/non-isolated input selected by jumper JA&JB
- Photo-coupler used for isolated input: PC-357
- Input\_high voltage for isolated input: 3.5 ~ 30V
- Input\_low voltage for isolated input: 0 ~ 1V
- Input impedance for isolated input: 1.2K $\Omega$  / 1W
- Isolation voltage for isolated input: 3750V
- Response time for isolated input: 20uS
- Non-isolated input: TTL compatible

#### 8 Relay Output

- Relay type: DPDT(Form C)
- Output type:
  - Channel 0 ~ channel 3: NC and No output
  - Channel 4 ~ channel 7: No output
- Contact rating: 120VAC@0.3A, 30VDC@1A

- Operating time: 5ms
- Release time: 10ms
- Life: 100,000 times (at 30V/1A)

#### General Specifications

- I/O connector: one 37-Pin D-sub female
- Power requirements: 300 mA@5V (typical)
- Operating temperature: 0 ~ 60°C
- Operating humidity: 0 ~ 90% non-condensing
- Storage temperature: -20 ~ 70°C
- Dimensions: 150 mm x 110 mm

### Pin Assignment

NO_0	1	○	20	NO_3
COM_0	2	○	21	COM_3
NC_0	3	○	22	NC_3
NO_1	4	○	23	NO_4
COM_1	5	○	24	COM_4
NC_1	6	○	25	NO_5
NO_2	7	○	26	COM_5
COM_2	8	○	27	NO_6
NC_2	9	○	28	COM_6
NO_7	10	○	29	GND
COM_7	11	○	30	DIL_0
DIH_0	12	○	31	DIL_1
DIH_1	13	○	32	DIL_2
DIH_2	14	○	33	DIL_3
DIH_3	15	○	34	DIL_4
DIH_4	16	○	35	DIL_5
DIH_5	17	○	36	DIL_6
DIH_6	18	○	37	DIL_7
DIH_7	19	○		

### Ordering Information

#### Standard

**PISO-725:** 8-channel isolated digital input & 8-channel relay output board

#### Optional

**DN-37:** Two 37-pin connector DIN-rail mounting terminal board

**DB-37:** 37-pin D-sub directly connector terminal board