PCLD-8751 PCLD-8761 PCLD-8762

48-ch Opto-Isolated Digital Input Board

24-ch Opto-Isolated DI and 24-ch Relay Output Board

48-ch Relay Output Board



PCLD-8751

Features

- 48 optically-isolated digital input channels
- · Built-in plug-in screw terminals for easier wiring
- LEDs indicate input logic status
- Input buffered with voltage comparators
- · Wet/Dry contact set by DIP switches
- Input logic set by jumper
- Wide input range from 5 to 30 V

Specifications

Digital Input

- Channels
- Contact Mode
- Isolation Voltage
- Logic Modes
- Signal Voltage

General

- Certification
- Connectors
- Dimensions
- LED Indicators
- Mounting

Ordering Information

PCLD-8751



Features

- Built-in plug-in screw terminals for easier wiring
- LED status indicators for D/I and relay output
- Digital inputs buffered with voltage comparators
- Wet/Dry contact set by DIP switches for D/I

24 IDI with LED

(MAX): 1V

Positive Logic

Negative Logic

(set by jumper)

24 SPDT (Form C)

120 V_{AC} @ 0.5 A

5 x 107 times at 12 V/10 mA

30 V_{DC} @ 1 A,

100 mO

10⁸ times

5 ms Max

6 ms Max

CE, FCC

(Relay)

Wet contact and dry contact for

0 ~ 30 V VIH (MIN) : 4 V, VIL

3,500 V (Isolated DI), 1,500V

each IDI (set by switch)

- . Wide input range from 5 to 30 V
- INT/EXT Power selection by jumper

Specifications

Digital Input

- Channels **Contact Mode**
- **Digital Input**
- **Isolation Voltage**
- Logic Mode (IDI and Relay are independent)

Relay Output

- Channels **Contact Rating**
- **Contact Resistance**
- Electrical Endurance
- Mechanical Endurance
 - Operation Time **Release Time**
- General
- Certification Connectors
 - Cable: SCSI-68 pin Signals: Plug-in screw terminals (#14 - 24 AWG) 285 x 121 mm

Ordering Information

- Dimensions
- Mounting
- **Power Consumption**

Power Selection

PCLD-8761

(11.22" x 4.76") DIN-rail +5 V @ < 380 mA +50*n (mA) +12 V @ < 240 mA +70*n (mA)(*n indicate the number of relays) PCI Bus or External power (7 ~ 30 V) by jumper

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Features

- Built-in plug-in screw terminals for easier wiring
- · LED status indicators for Relay output
- DIN-rail mounting
- Onboard relay driver circuits

Specifications

Relay Output

- Channels 48 SPDT (Form C) Contact Rating 30 V_{DC} @ 1 A, 120 V_{AC} @ 0.5 A
- Contact Resistance $100 \, \text{m}\Omega$
- Electrical Endurance 5 x 10⁷ times at 12 V/10 mΑ Mechanical 10⁸ times
 - Endurance
- Operation Time 5 ms Max
 - **Release Time** 6 ms Max

General

- Certification CE, FCC
- Connectors Cable: SCSI-68 pin
- Signals: Plug-in screw terminals (#14 24 AWG) Dimensions 285 x 117 mm (11.22" x 4.61")
 - DIN-rail
- Mounting Power Input
- Unregulated 7 ~ 30 V_{DC} Power Consumption
 - 7 V @ 1.8 A, 30 V @ 0.45 A (External power supply is required)

Ordering Information

- PCLD-8762
- 48-ch Relay (SPDT) Output Board

24-ch Opto-isolated DI and 24-ch Relay (SPDT) Output Board

(set by jumper) 0~30 V VIH (MIN): 4 V, VIL (MAX) : 1 V CE. FCC Cable: SCSI-68 pin Signals: Plug-in screw terminals (#14 - 24 AWG) 255 x 121 mm (10.04" x 4.76") One for each channel to indicate logic status DIN-rail

48-ch Opto-isolated Digital

Input Board

48 isolated digital inputs

Dry contact (set by switch)

Wet contact

Positive Logic

Negative Logic

3,500 V



www.L-TronDirect.com

800-830-9523

info@L-Tron.com

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

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www.L-Tron.com