

**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**

|  |  |
| --- | --- |
| **PCLD-8761** | **PCLD-8762** |

**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** | 48 isolated digital inputs |
| **** | **Contact Mode** | Wet contact |
|  |  | Dry contact (set by switch) |
| **** | **Isolation Voltage** | 3,500 V |
| **** | **Logic Modes** | Positive Logic |
|  |  | Negative Logic |
|  |  | (set by jumper) |
| **** | **Signal Voltage** | 0 ~ 30 V |
|  |  | VIH (MIN) : 4 V, |
|  |  | VIL (MAX) : 1 V |

**General**

** Certification** CE, FCC

** Connectors** Cable: SCSI-68 pin

Signals: Plug-in screw

terminals (#14 - 24 AWG)

** Dimensions** 255 x 121 mm

(10.04" x 4.76")

** LED Indicators** One for each channel to

indicate logic status

** Mounting** DIN-rail

**Ordering Information**

** PCLD-8751** 48-ch Opto-isolated Digital

Input Board

**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 |  |
| **** | Wide input range from 5 to 30 V |  |
| **** | INT/EXT Power selection by jumper |  |
| **Specifications** |  |
| **Digital Input** |  |  |
| **** | **Channels** | 24 IDI with LED |  |
| **** | **Contact Mode** | Wet contact and dry contact for |  |
| **** | **Digital Input** | each IDI (set by switch) |  |
| 0 ~ 30 V VIH (MIN) : 4 V, VIL |  |
| **** | **Isolation Voltage** | (MAX) : 1V |  |
| 3,500 V (Isolated DI), 1,500V |  |
| **** | **Logic Mode** | (Relay) |  |
| Positive Logic |  |
|  | **(IDI and Relay are** | Negative Logic |  |
|  | **independent)** | (set by jumper) |  |
| **Relay Output** |  |  |
| **** | **Channels** | 24 SPDT (Form C) |  |
| **** | **Contact Rating** | 30 VDC @ 1 A, |  |
| **** |  | 120 VAC @ 0.5 A |  |
| **Contact Resistance** | 100 mW |  |
| **** | **Electrical Endurance** | 5 x 107 times at 12 V/10 mA |  |
| **** | **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 121 mm |  |
| **** | **Mounting** | (11.22" x 4.76") |  |
| DIN-rail |  |
| **** | **Power Consumption** | +5 V @ < 380 mA +50\*n (mA) |  |
|  |  | +12 V @ < 240 mA +70\*n |  |
|  |  | (mA) |  |
|  |  | (\*n indicate the number of |  |
| **** | **Power Selection** | relays) |  |
| PCI Bus or External |  |

power (7 ~ 30 V) by jumper

**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 VDC @ 1 A,

120 VAC @ 0.5 A

** Contact Resistance** 100 mW

** Electrical Endurance** 5 x 107times at 12 V/10

mA

** 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")

** Mounting** DIN-rail

** Power Input** Unregulated 7 ~ 30 VDC

** 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

**Ordering Information**

** PCLD-8761** 24-ch Opto-isolated DI and

24-ch Relay (SPDT)

Output Board



**Signal Conditioning Modules and Terminal Boards**

All product specifications are subject to change without notice Last updated : 19-Mar-2014