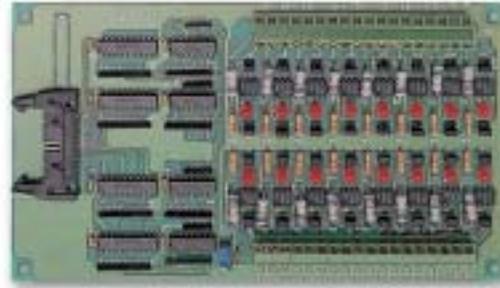


# ACLD-9182A

## Termination Board with 16-CH Isolated Digital Inputs

### Features

- 16-CH opto-isolated digital inputs
- For use with 20-pin ribbon digital input connector of NuDAQ cards
- Non-polarity digital input range
- Isolated input voltage up to 24 V
- 5000 V<sub>RMS</sub> optical isolation
- Jumper selectable for voltage input or dry-contact input mode
- LED indicator for input status
- Screw terminals for easy field wiring



### Ordering Information

- **ACLD-9182A**  
Termination Board with 16-CH Isolated Digital Inputs (Including One 1-meter ACL-10120 Cable)

### Specifications

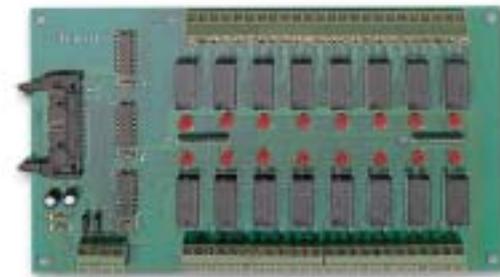
- Isolated Digital Input
  - Number of channels: 16
  - Maximum input range: 24 V, non-polarity
  - Digital logic levels
    - 0-24V, non-polarity
    - Input high voltage: 5-24 V
    - Input low voltage: 0-0.7 V
- Input Resistance: 560 Ω @ 1 W
- Isolation voltage: 5000 V<sub>RMS</sub>
- I/O Connector: 20-pin ribbon male
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 to 80 °C
- Relative humidity: 5 to 95%, noncondensing
- Dimensions: 205 mm x 114 mm

# ACLD-9185

## Termination Board with 16-CH Relay Outputs

### Features

- 16-CH single-pole, double-throw (SPDT form C) relay outputs
- For use with 20-pin digital input connector of NuDAQ cards
- Maximum switching voltage up to 60 V<sub>dc</sub>/120 V<sub>ac</sub>
- Maximum switching current up to 1 A<sub>dc</sub>/AC
- On-board relay driver circuitry
- LED indicators for relay status
- Screw terminals for easy field wiring



### Ordering Information

- **ACLD-9185**  
Termination Board with 16-CH Relay Outputs (Including One 1-meter ACL-10120 Cable)

### Specifications

- Relay Output
  - Number of channels: 16
  - Relay type: SPDT (Form C)
  - Isolation voltage: 1500 V<sub>RMS</sub>
  - Contact rating
    - AC: 120 V @ 0.5 A
    - DC: 24 V @ 1 A
  - Breakdown voltage: 1000 V<sub>RMS</sub>
  - Contact resistance: 100 mΩ
  - Relay ON/OFF time
    - Operate time: 6 ms
    - Release time: 3 ms
  - LED indicators for relay status: one per channel
- Expected life
  - > 5 x 10<sup>5</sup> operations @ 1 A, 24 V<sub>dc</sub>
  - > 2 x 10<sup>5</sup> operations @ 0.5 A, 120 V<sub>ac</sub>
- I/O Connector: 20-pin ribbon male
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 to 80 °C
- Relative humidity: 5 to 95%, noncondensing
- Power consumption

+5 V	+12 V
200 mA maximum	528 mA maximum

- Dimensions: 205 mm x 114 mm

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