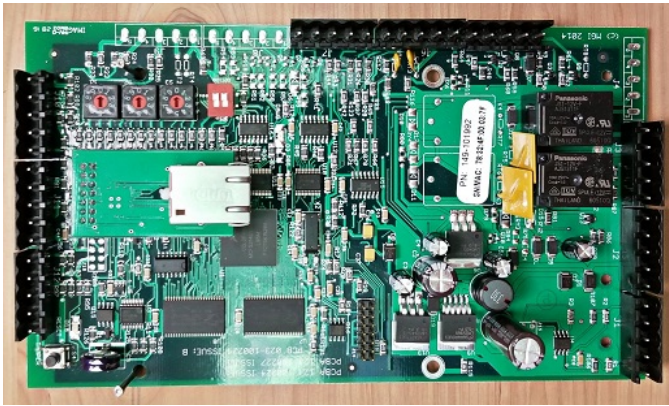


Network Door Control Device – Single Door (NetDCD1)



UL - Listed

- 294 Access Control Standard

Benefits

- Full stand-alone single door and network controller all in one
- Single enclosure containing controller, power supply and backup battery
- Less wiring by utilizing Cat 5 or Cat 6 network cable.
- Low installation complexity
- Reduced training time in the field
- Simplification of proprietary wiring requirements
- Easy expansion to up to 98 additional doors with RS485 output

Application

- The NetDCD1 allows for single-board reader capability without requiring additional boards for server software communication. It controls a single access point and accepts connections to most reader technologies.
- The NetDCD1 stores data for up to 40,000 cards. Because the cardholder access levels are stored directly on the board, reliable, uninterrupted access control and a log of up to 2000 transactions are available in memory, even in the event of a computer or communications failure.
- Advantages over the DCD are: larger cardholder database, significantly faster processing and communications speed, higher capacity relays, and over current protection for readers.

Features

- Supports Wiegand Card Reader protocols, configurable from 0-256, Magstripe formats of ABA/ISO Track 2 with configurable data bits; Clock and Data, and Marlok
- NetDCD1 incorporates the functions of an SCU/ESCU and an EDCD and can be connected to EDCD/DCD boards via RS-485 using various types of supervised wiring methods; Daisy-Chaining, T-Tapping, Home Running, and High Security Loop Back
- NetDCD1 communicates to the Millennium Software via Ethernet (TCP/IP connection) and can support up to 98 EDCD/DCD boards, depending on system configuration

Specifications

Card Data Storage

- Each NetDCD1 stores data for up to 40,000 cards using less than 60 bits

Transaction History Buffer

- 2,000 transaction history provides retention of card activity if communications with server software is lost

Alarm Event History Buffer

- 100 software selectable alarm events (alarms, com fail, etc.) are stored if communications with the server software is lost

NetDCD1 Device Communications

- A twisted pair, multi-drop, RS-485 polling scheme is used to communicate between the NetDCD1 and other Millennium boards (EDCD, DCD, ECU...), the NetDCD1 communicates to the server software via Ethernet (TCP/IP)

Programmable Relays

- Each NetDCD1 includes 2 programmable Single pole, Form C relays that are rated for up to 5 amps @ 24 VDC or 10 amps @ 24VAC. These are typically used for door locking devices

Alarm Monitoring

- The NetDCD1 has the capability to monitor up to 7 independent alarm inputs, two or four state supervised.

Circuit Protection

- Input power is protected from reverse polarity, over voltage, and transient surges.
- Relays are overload protected by solid state devices.

Approvals and Listing

- UL 294 Listed

Operating Temperature

- 14° to 104°F (-10° to 40°C) less than 90% non-condensing humidity

Power Requirements

- 9-14 VDC, from our standard Power Supply. Current consumption is 150mA nominal

Cover Tamper

- On-board integrated tamper switch

Dimensions

- 4.24" x 7.35" @ < 1lb, 10.4 x 18.7cm < 0.4Kg

Ordering Information

- 149-102002 Network Door Control unit with power supply and battery
- 064-510500 One Door Add on Kit with Prox Point Reader
- 060-101025 Standard Back Box
- 041-100992 Back Box with Lock and cover