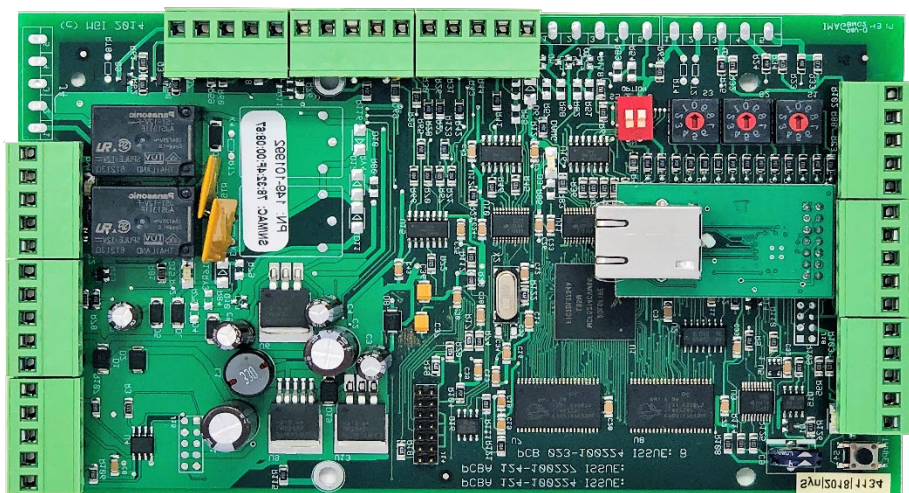# NETWORK DOOR CONTROL DEVICE (NETDCD1)

149-102002

NetDCD1 Single IP Door Control Device. Single Reader Ethernet/IP door controller includes plug-in power supply.

NETDCD1

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 98EDCD/DCD boards, depending on system configuration

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 RS485output

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 NetDCD1communicates to the server software via Ethernet (TCP/IP)

Programmable Relays
•Each NetDCD1 includes 2programmable 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, supplied by the PS1 power supply; Current consumption is 150mAnominal.
Cover Tamper Switch
• On-board integrated tamper switch
Dimensions
• 4.24" x 7.35" @ < 1lb, 10.8 x 18.7cm @ < 0.45Kg
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

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