**Network Door Control Device – Single Door (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.

**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

**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-Chain, 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