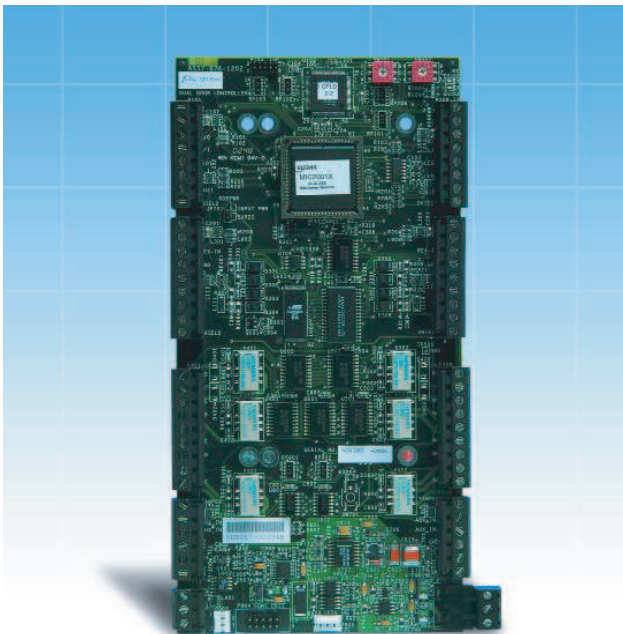


Technical Specifications



The Dual Door Controller (DDC) is an access control field device for the Integrated Digital Controllers. The DDC functions as a door interface for the Network Local Controller (NLC)/Network Communications Board (COMM), integrating card readers and associated door hardware into a single package. The unit is configurable for two doors with entry readers or for one door with entry and exit readers.



The DDC memory stores 20,000 card records. All access control decisions for its two readers are made by the DDC using this database. Cards that have not been used for a preset number of days are removed from the DDC database and replaced with more active cards.

When a card's record is not found in the DDC database, the card data is passed to the NLC for the access control decision. If communication between the DDC and NLC/COMM is disrupted, the DDC continues to make access

decisions for its 20,000 cardholders. Up to 512 events are stored at the DDC and passed to the NLC/COMM when communications is restored.

The DDC features 2 reader ports, flexible input and output configurations, FLASH memory for application programs (firmware) and SDRAM for cardholder database and event storage. The interface between the DDC and NLC/COMM utilizes industry standard RS-485 communications protocol that allows the DDC to be located up to 4,000 feet from the NLC/COMM.

The DDC is configured with a diagnostic port which allows field service and other technical personnel to view activity, perform diagnostics analysis, and make some configuration changes.

Features

- Supports 2 doors with Entry Readers or 1 door with Entry/Exit Readers
- Each reader port has connections for power, data, 2 LEDs and Buzzer
- Supported readers include Magstripe, Wiegand, Barcode, Proximity, Biometrics, and SmartCard
- Supports industry standard and custom card formats
- Stores 20,000 cardholder database
- Access decisions are made at the DDC using local database, even during loss of communication with NLC/COMM
- Stores 500 events
- Access decisions are made at NLC when card not found in DDC database
- Inactive card records are removed from DDC database and replaced with active cards
- 4 Supervised inputs: 2 door monitor and 2 alarm inputs
- 8 Non-supervised inputs: 2 Request-to-exit (REX), 2 tamper and 4 Auxiliary inputs
- 6 Form-C output relays (3 per door): door lock, alarm and spare
- Accepts 6.0 - 16.0 Vdc power source
- Downloadable FLASH MEMORY eliminates the need to change EPROMs for applications programming and system upgrades RS-485 bus remote installation up to 4,000 feet (1300m) from NLC/COMM



Monitor Dynamics
Corporate Headquarters
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Technical Specifications

Electrical

Power 6-16 Volts DC
Current Draw 120mA maximum

Dimensions

Width 7.0 in. (178 mm)
Length 5.0 in. (127 mm)
Height 1.0 in. (26 mm)

Environment

Temperature 32°F-120°F, (0°C-50°C)
Humidity 10%-95% (non-condensing)

Memory

Read Only 64 Kbytes Flash Memory
Random 512 Kbytes SDRAM for
-Card Data: 20,000 cards
-Event Storage: 512 events on loss of communications with NLC/COMM

Communications

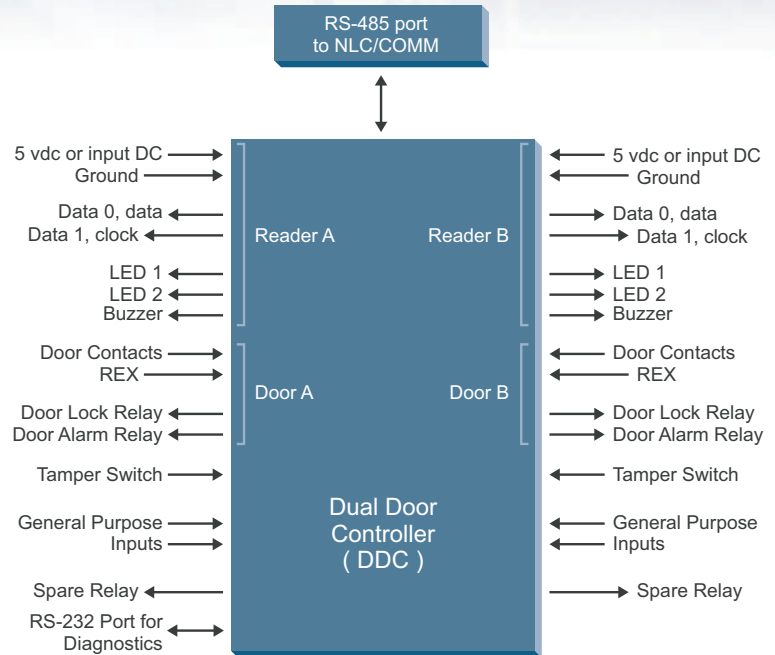
Protocol RS-485
Distance 4,000 feet
Media Type Twisted Pair (Belden 9841 cable)
Diagnostics Port RS-232

Readers

Quantity 2
Configurations Two doors (Entry/Entry) or Single Door (Entry/Exit)
Types Magstripe, Wiegand, Proximity, Barcode, Biometric, and SmartCard
Card Formats Standard and Custom
LED Support Single or dual color per reader
Buzzer Support 1 per reader
Supplied Power +5 Vdc @ 100mA total or direct DDC input voltage

Keypad Support

Wiegand Keypad Keypads with Wiegand output are integrated on reader data lines
ACT-430 I²C port supports two ACT-430 Access Control Terminals
PIN Support 4, 5 or 6 digits



Inputs

Supervised 2 Door position
2 Alarm or general purpose
Non-Supervised 2 Tamper
2 Request to Exit
4 Alarm or general purpose

Outputs

Relay Outputs 2 – Door Lock
2 – Alarm (ON - door forced or door propped timeout, PULSING - (door propped warning)
2 – Spare

Design and specifications subject to change without notice.