



DSX Access Systems, Inc.

DSX-1042 Intelligent Controller



- Scalable Architecture 2 - 8 doors
- TCP/IP Communications
- Individual Intelligence
- 512K RAM / 512K Flash ROM
- UL 294 / UL 1076
- 260+ Card and Keypad Formats
- FIPS/TWIC Card Compatibility
- Real Time Processing and Communications
- Integrated Power Supply and Distribution

DSX-1042 Specifications

Processor

AM186 20Mhz

RAM/ROM Memory

Flash ROM 512K

Standard RAM 512K

Communication Ports

DSX-1042

RS-232 In 1 Master to PC

RS-232 Out 1 Panel to DSX-1040CDM
1040CDM

RS-232 In 1 Master to DSX-1040CDM

RS-232 Out 1 Sub Communications

RS-485 In 1 From previous DSX-1048 Package

RS-485 Out 1 To subsequent DSX-1048 Packages

Power Requirements

DSX-1042 13.5 VDC @ 300ma from 1040CDM

DSX-1040CDM 13.5 VDC @ 150ma from 1040PDP

Total Maximum Current 13.5 VDC @ 7.0A

Output Voltage

Panel outputs provide a regulated, fused, DC voltage.

DSX-1042 9-13.5VDC - 12VDC nominal - 1A Fused

DSX-1040CDM 9-13.5VDC - 12VDC nominal - 1.5A

Fused

DSX-1040CDM 5VDC - .5A Fused

All Outputs are Class 2, Power Limited

Inputs

EOL Supervised 8

4 Inputs are used for standard point monitoring.

4 Inputs are used for door position and exit request monitoring.

All Inputs support two, three, and four state monitoring with five programmable circuit types.

Outputs

Form C Relays 2

Relay Output Ratings 5 AMP - 30VDC

Open Collector Outputs 2 - negative 100ma

LED Outputs 6 - 3 per reader port - negative 100ma

Pre-Warn Outputs 2 - 1 per door - negative 100ma

Access Controlled Entry Points

Card Reader or Keypad 2 expandable to 8

Card and Reader Formats 260+ including PIV Cards

Any combination of card readers, keypads, or card and keypad-controlled entry points may be used.

Equipment Size

DSX-1040CDM 11" W x 4.5" H x 1.5" D

DSX-1042 11" W x 4.5" H x 1.5" D

Equipment Weight

DSX-1040CDM 1.0 lb.

DSX-1042 1.2 lb.

Enclosure Type

Nema Type 1 equivalent enclosure with lift-off hinged door, lock/key, and tamper switch.

Enclosure Size

DSX-1040E Cabinet 15.5" W x 22.5" H x 6" D

Enclosure Weight

DSX-1040E Cabinet 19.2 lb.

Finish

Black Powder Coat with White Silkscreen on Enclosure and Black Enamel on DSX-1042.

Conduit Knockouts

Concentric knockouts in Top, Bottom, and Sides.

Knockouts accommodate 1/2, 3/4, 1, 1 1/2-inch conduit.

Temperature

Operating 32 to 131 F

Storage -35 to 150 F

Humidity

Operating 0 to 95%, relative

Warranty

Limited 2 Years