



DSX Access Systems, Inc.

DSX-1048 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
- CAC/FIPS/TWIC Card Compatibility
- Real Time Processing and Communications
- Integrated Power Supply and Distribution

DSX-1048 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 @ 6.0A

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 32

16 Inputs are used for standard point monitoring.

16 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 8

Relay Output Ratings 5 AMP - 30VDC

Open Collector Outputs 8 - negative 100ma

LED Outputs 24 - 3 per reader port - negative 100ma

Pre-Alarm Outputs 8 - 1 per door - negative 100ma

Access Controlled Entry Points

Card Reader or Keypad 8

Card and Reader Formats 260+ including

CAC/FIPS/TWIC 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. each

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