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
- 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 Slave 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 @ 6A

**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 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 3/4 inch conduit.

**Temperature**
Operating 32 to 131 F
Storage -35 to 150 F

**Humidity**
Operating 0 to 95%, relative

**Warranty**
Limited 2 Years