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 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 @ 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