DSX-1048
Intelligent Controller

Features

- Scalable Architecture 2-8 doors

- TCP/IP Communications

- Individual Intelligence

- 512K RAM / 512K Flash ROM

- UL 294 / UL 1076

- 275+ Card and Keypad Formats

- CAC/FIPS/TWIC Card Compatibility

- Integrated Power Supply and Distribution

- Real Time Processing and Communications

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 275+ 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