



**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-Alarm 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 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