



**DSX Access Systems, Inc.**

## **DSX-1020 Intelligent Controller**



- 8 Supervised Inputs
- 2 Form C Relays - Fused
- TCP/IP Communications
- 260+ Card/Keypad Formats including FIPS/TWIC Cards
- UL294 / UL1076
- Flexible I/O Linking
- Retrofits 1021 Controllers
- 512K RAM / 512K Flash ROM

## **DSX-1020 Intelligent Controller**

### **Processor**

AM186 20Mhz

### **RAM Memory**

Standard 512K / 512K Flash ROM

### **Size**

Cabinet 15.5" W x 13.5" H x 6.0"D

DSX-1022 10.5" W x 7.5" H x 1.5" D

### **Weight**

Cabinet 11.00 lb.

DSX-1020 1.60 lb.

Package Total 12.60 lb.

### **Enclosure Type**

Nema Type 1 equivalent enclosure with lift-off hinged door, lock/key, and tamper switch.

### **Finish**

Black Powder Coat on Enclosure and Black Enamel on Shield

### **Temperature/Humidity**

Operating 32 to 131 F / 0 to 95% relative -

Storage -35 to 150 F

### **Warranty**

Limited 2 Years

### **Supply Voltage**

Panel Voltage 16.5 VAC 40VA

Power Requirements 33 Watts (112.6 BTU)

Panel Current Draw 540 ma

UL Listed or CSA Certified Class 2

Transformer Required.

### **Output Voltage**

Panel Output 12VDC 1A - Fused

Panel Output 5VDC 1/2A - Fused

### **Inputs**

EOL Supervised 8

UL Installations require a Tamper Switch to be connected to an Input programmed with a 24hr Time Zone.

### **Outputs**

Form C Relays (1-2) 2 fused at 1A

Relay Ratings 5 AMP 30 VDC

LED Outputs 3 - open collector 100ma

Pre-Alarm Outputs 1 - open collector 100ma

### **Access Controlled Entry Points**

Card Reader or Keypad - 1 - Any combination of card readers, keypads, or both may be used. Over 240 types available including PIV Cards.

### **Battery Charging Output**

Trickle Charge 13.5 VDC 500ma Fused / Standby Time 3.3 hours under maximum load.

For UL Installations, battery must be Powersonic PS-1270, Interstate PC-1270, or a SBS S-1272.

### **Communication Ports**

RS-485 In (2) 1 for Master to PC, 1 From Slave

RS-485 Out 1 To Subsequent Slaves

DSX-1020 Master Controller requires a DSX-USB or MCI Module for direct serial port communications.