DSX-1020
Intelligent Controller

Features

- **8 Supervised Inputs**

- **2 Form C Relays – Fused**

- **TCP/IP Communications**

- **275+ Card/Keypad Formats including CAC/FIPS/TWIC Cards**

- **UL 294 / UL 1076**

- **Flexible I/O Linking**

- **Retrofits 1021 Controllers**

- **512K RAM / 512K Flash Rom**

DSX-1020 SPECIFICATIONS

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 275 types
available including CAC/PIV/TWIC 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 SBS S-1272.

Communication Ports
RS-485 In (2) 1 for Master to PC, 1 From Sub
RS-485 Out 1 To Subsequent Subs
DSX-1020 Master Controller requires a DSX-USB or
MCI Module for direct serial port communications

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