



DSX Access Systems, Inc.

DSX-1020 Intelligent Controller



- 8 Supervised Inputs
- 2 Form C Relays - Fused
- TCP/IP Communications
- 260+ Card/Keypad Formats including CAC/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 260 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 Slave

RS-485 Out 1 To Subsequent Slaves

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