

7112/24 Power Supply

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THE **MICRO**  **COMPANY**

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DESCRIPTION

The 7112/24 DC power supply provides isolated power to the Octagon Micro PC system for a variety of applications. The 8-bit Micro PC card plugs directly into the far right slot of any 520X, 527x or 727x series card cage. The power supply is a high-efficiency switcher, with low noise output and cool operation. The unit is ideal for applications requiring DC input voltage.

The input unit has an input pulse noise filter. Internal catastrophic fusing prevents supply overloading. Components in the power supply are UL and CSA approved, although these approvals apply only to the power supply and not to the completed assembly.

INSTALLATION

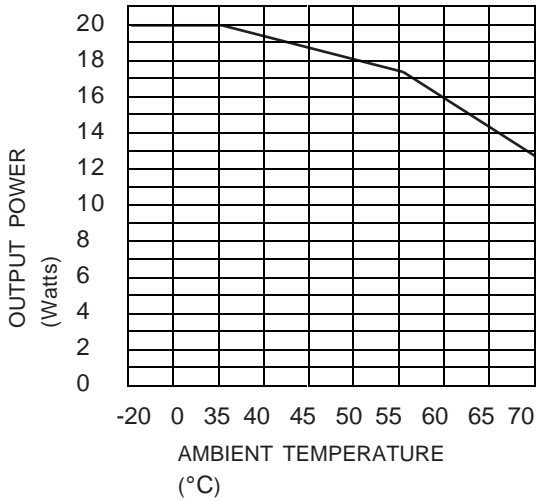
1. Set the Micro PC card cage so that you can read the lettering at the rear. The Octagon company information should be lined up vertically on the left side.
2. Insert the 7112/24 into the far right slot of the card cage with the components of the power supply facing left. The 7112/24 occupies one slot of the card cage.

MINIMUM LOAD OPTION

W1 provides a minimum load to the power module. If the load is less than 400 mA, the minimum load option must be connected to maintain output regulation. To do this, set the jumper to W1[2-3]. If the load is greater than 400 mA, disable minimum load. To do this, set the jumper to W1[1-2]. The default setting is W1[1-2], minimum load disabled.

TECHNICAL SPECIFICATIONS

Temperature Derating



Derating @ $V_{in} = +24Vdc$

7112/24 Input		Voltage
Voltage	Full Load Current	
+12V	2.75 Amps	
+24V	1.25 Amps	

7112/24 Output		Voltage
Pin #	Descript	
B1,10,31	Gnd	
B3,29	+5V	

Fuse

5A slow acting.

(Protection for component failure and reverse polarity.)

Input Voltage

+10 to +36 Vdc

Output Voltage

+5V @ 4 Amps

Isolation Voltage

500 VDC minimum

Switching Frequency

150 KHz minimum

Input Connector

3-position right angle locking Molex female header with mating plug.

7112/24: Connector		P2 Pinout
Pin	#	F u n c t i o n
1		Gnd
2		N.C.
3		+Vin

Environmental

-25° to 70°C operating (full output load)

-55° to 100°C storage

Efficiency

80% minimum

Size

4.9 in. x 4.5 in. Occupies one slot in a Micro PC card cage.