

2513 75 Watt DC Power Supply



Description

The 2513 is a 24VDC Power Supply designed for the 2500 Series series PLC. The triple-wide module provides up to 75 watts at +5VDC for use by the PLC CPU and I/O modules.

Features

- 2500 Series base format
- 20-30 VDC input power, ripple<5%
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules

Specifications

Field Connections:

One 3-pin 24VDC input terminal strip

Input Voltage Operating Range:

20-30 VDC

Total Wattage Rating:

75 Watts maximum output @ 0°C to 60°C

Steady State Input Current at full load:

4.0 Amps max. @ 24VDC

Peak Inrush Current:

24 Amps max. @ 24VDC

Fusing:

8.0 Amp 250V, 3 AG front panel accessible

Hold Up Time:

20mSec @ 75W load

Isolation:

2000VAC: 24VDC-to-Backplane

500VAC: 24VDC-to-Chassis

500VAC: Chassis-to-backplane

Module Size:

Triple-wide

Operating Temperature:

0° to 60°C (32° to 140°F)

Storage Temperature:

-40° to 85°C (-40° to 185°F)

Relative Humidity:

5% to 95% (non-condensing)

Agency Approvals Pending:

UL, ULC, FM (Class 1, Div. 2), CE

Shipping Weight:

5.0 lbs (2.3 kg)



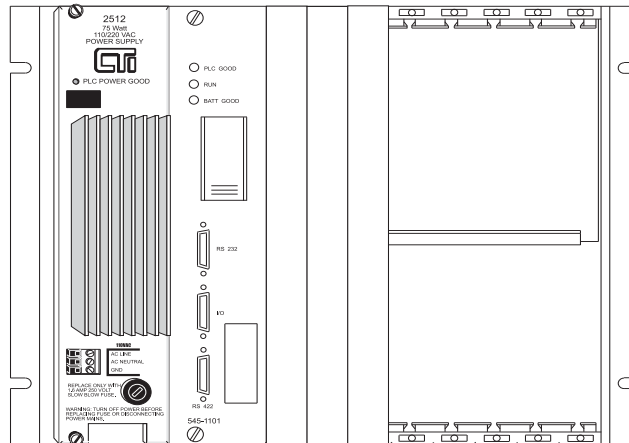
Control Technology Inc.

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Power Supply Location in Base

The Power Supply must always be installed in the left most slot of the 2500 Series base. See figure below.

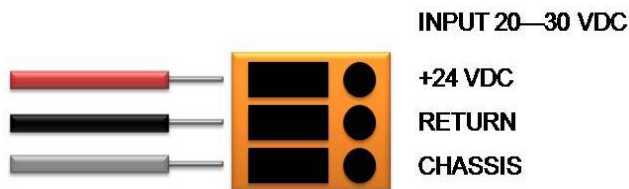


WARNING:

Disable all power to the base before installing or removing the power supply. Failure to do so could cause damage to the equipment or injury to personnel.

CAUTION:

Do not attempt to operate the 2513 Power Supply out of the Input Voltage Operating Ranges of 20 to 30 VDC. Damage to the Power Supply could occur if out of range input is applied.



INPUT POWER WIRING

Installing and Removing the Power Supply

Use the following steps for installing and removing the 2513 Power Supply from the 2500 base.

1. Position the power supply so that the bezel is facing you.
2. Grasp the top and bottom of the power supply.
3. Carefully slide the power supply into the left most slot in the base until it engages into the backplane connectors.
4. Tighten top and bottom bezel screws into the base chassis.

To remove power supply, reverse procedures 1 through 4 used for installation.

