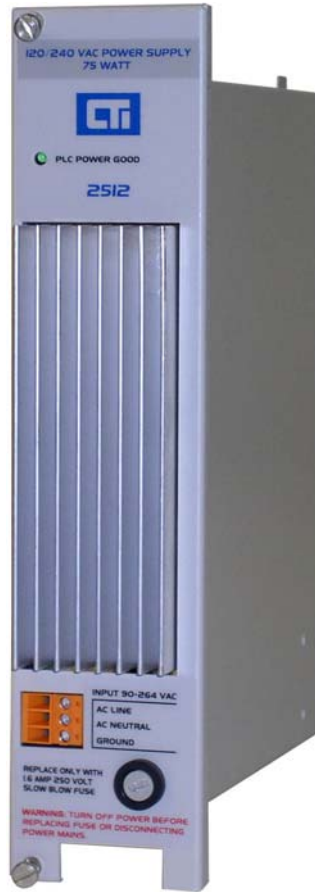


# 2512-A 75 Watt AC Power Supply with Redundancy Support



## Description

The 2512-A is a 120/240VAC Power Supply designed for CTI 2500 Series™ and SIMATIC® 505® PLCs. The triple-wide module provides up to 75 watts at +5VDC for use by the PLC CPU and I/O modules. When operated in a dual configuration in a 2500-R11-A base, it provides support for power supply redundancy.

## Features

- CTI 2500 Series™ / SIMATIC® 505 base format
- 90-264VAC, 47-63 Hz single phase input power
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules
- Works in CTI 2500-R11-A and Siemens® 505-6511 redundant bases

## Specifications

### Field Connections:

One 3-pin 120VAC input terminal strip

### Input Voltage Operating Range:

90-264VAC, 47-63Hz, single phase

### Total Wattage Rating:

75 Watts maximum output @ 0°C to 50°C  
(derating 1.75W/°C above 50°C)

### Steady State Input Current at full load:

1.50 Amps max. @ 110VAC

0.75 Amps max. @ 220VAC

### Peak Inrush Current:

37 Amp. max. @ 240VAC input

### Fusing:

1.5 Amp 250V, 3 AG front panel accessible

### Hold Up Time:

100mSec @ 75W load

### Isolation:

2800VDC: 110/220 VAC-to-Backplane

500VDC: Chassis-to-Backplane

1500VDC: 110/220 VAC-to-Chassis

### Module Size:

Triple-wide

### Operating Temperature:

0° to 60°C (normal locations)

0° to 50°C (Class 1 Div 2 locations)

### Storage Temperature:

-40° to 85°C (-40° to 185°F)

### Relative Humidity:

5% to 95% (non-condensing)

### Agency Approvals (pending):

UL, UL-Canada, Class 1 Div 2, CE

### Shipping Weight:

5.0 lbs (2.3 kg)



Control Technology Inc.

5734 Middlebrook Pike, Knoxville, TN 37921

Phone: 865/584-0440 Fax: 865/584-5720

www.controltechnology.com

## Power Supply Location in Base

The 2512-A Power Supply can be installed in single configurations in standard bases (2500-R4, 2500-R8, 2500-R16-A). For redundancy, 2512-A must be installed in a dual configuration in a 2500-R11-A or 505-6511 base. The two power supplies are installed in the leftmost two slots as shown 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 2512-A Power Supply out of the Input Voltage Operating Ranges of 90 to 264 VAC. Damage to the Power Supply could occur if out of range input is applied.

## Installing and Removing the Power Supply

Use the following steps for installing and removing the 2512-A Power Supply from the system 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.**

