



2500 Series® Compact System



2500C-PS-120V-35 120VAC 35 Watt Power Supply



DESCRIPTION

The 2500C-PS-120V-35 is a triple wide module that provides power for the CPU and all IO modules plugged in the Compact Chassis.

FEATURES

- Triple wide module
- 110/220 VAC 50/60Hz
- Maximum 35 watts backplane power
- 86mSec holdup time

Input Specifications◇	
Field Wiring Connector	3 Pin Removable Connector
Input Voltage Operating Range	80-264 VAC, 47-63Hz, single phase
Total Wattage Rating	35 watts maximum output @ 0 to 60°C
Steady State Input Current at full Load	0.78 Amps max @ 90VAC 0.63 Amps max @ 120VAC 0.36 Amps max @ 240VAC
Peak Inrush Current	5.1 Amps max @ 120VAC 9.1 Amps max @ 220VAC
Fusing	1.0 Amp 250VAC, 3 x 20mm front panel accessible
Hold Up Time	86 mSec @ 35 Watt Full Load

Module Size	Triple wide module
Isolation	1500VAC: 110/220 VAC-to-Backplane 500VDC: Chassis-to-Backplane 1500VAC: 110/220 VAC-to-Chassis
Operating Temp Range	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Shipping Weight	2.0 lb. (0.91 Kg)
Agency Approvals Pending	UL, ULC, FM(Class 1, Div 2), CE

◇ Note: All measurements are made from a power supply at 25°C .



Note: Ideally the power should be turned off to the power supply before doing any maintenance. It must be noted that when the fuse is either blown or removed the CPU will go into a normal shutdown. Replacing the fuse with the power off guarantees the system will come up in an orderly fashion. Replacing the fuse while power is still on could create unpredictable restart issues.



Control Technology Inc.

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CTI products are proudly
Designed and
Assembled in the USA





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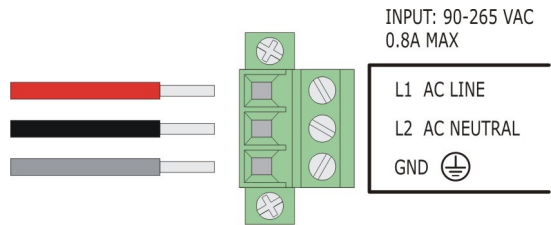
2500C Compact Power Supplies are always located in the left most

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 2500C-PS-120V-35 out of the Voltage Operating Ranges specified. Damage to the Power Supply could occur if out of range power input is applied.



Note: This label is found on the side of the power supply. It provides a way for the user to record the date the power supply was put in service. Please visit our website for more



User Supplied Power Input Wiring Diagram

Installing Power Wiring

Use the following steps for installing and removing the 2500C-PS-120V-35 Power Supply from the 2500C Chassis.

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 connector.
4. Strip power wiring back, insert the wire into the wiring connector as shown above, then tighten screws
5. Check to make sure the power input wires are securely inserted and the fastened in the wiring connector.
6. Insert and tighten down the 3 pin removable wiring connector.
7. Be sure to tighten the top and bottom bezel screws completely.
8. Once all the chassis modules including controllers and IO are inserted then you may apply power to the power supply inputs.

To remove the power supply, remove power from the power input by removing the power wiring connector or turning off the power source, loosen the bezel screws, and pull the power supply forward out of the chassis until it clears the chassis.



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