



2500 Series® Compact System



2500C-PS-24V-35 24VDC 35 Watt Power Supply



DESCRIPTION

The 2500C-PS-24V-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
- 24VDC Power Supply
- Maximum 35 watts backplane power
- 8 mSec holdup time
- Front accessible fuse

Power Supply Specifications	
Field Wiring Connector	3 Pin Removable Connector
Input Voltage Operating Range	20 VDC to 30 VDC
Total Wattage Rating	35 watts maximum output @ 0° to 60°C
Steady State Input Current at full Load	1.57 Amps max @ 24VDC
Peak Inrush Current	17.26 Amps max @ 24VDC
Fusing	Littelfuse 0213005.MX 250V IEC SLO 5x20mm 5A I2T=314
Hold Up Time	8mSec @ 35 Watt Full Load

Module Size	Triple wide module
Isolation	1500VAC: 24 VDC-to-Backplane 500VDC: Chassis-to-Backplane 1500VAC: 24 VDC-to-Chassis IEC 60950-1
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: 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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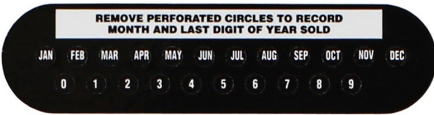
2500C-PS-24V-35 24VDC 35 Watt Power Supply



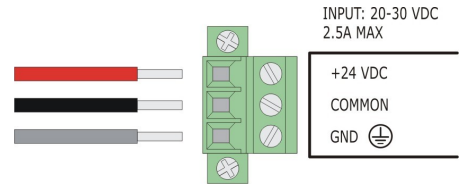
2500C Compact Power Supplies are always located in the left most slot

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-24V-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 the user a way 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-24V-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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