



## INSTALLATION AND OPERATION MANUAL

# C1PS

## CARD CAGE POWER SUPPLY

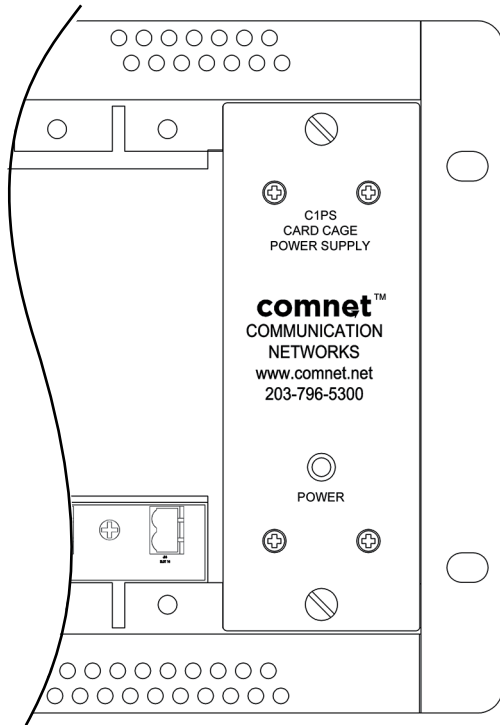
The C1PS integral 115/230 VAC power supply provides for the elimination of a single-point failure in the event of a major fault within any module located within the C1 chassis rack, through the use of automatic electronic current limiting within each rack-mountable module.

In the C1PS design only the faulty module shuts down, and the operation of the other modules within the rack continue unimpaired. This automatic current limiting feature is also self-resetting, should the fault or overload be of a temporary or intermittent condition.

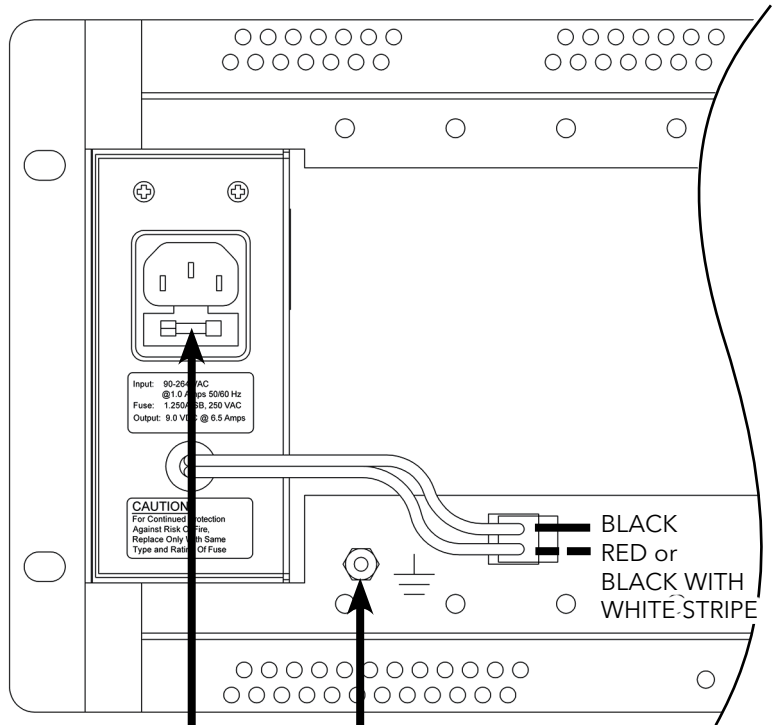
The C1PS is intended to be installed in the Comnet C1 Card Cage only. Any other applications are not supported. See **Page 4** for installation instructions.

FIGURE 1 - C1PS INTEGRAL POWER SUPPLY

FRONT PANEL (In C1 Card Cage)



REAR PANEL (In C1 Card Cage)



SPARE 1.25A SLOW BLOW FUSE

CHASSIS GROUNDING STUD (6-32 Thread)

**ELECTRICAL**

Input Voltage: 90-264 VAC @ 70 W Maximum  
 Output Voltage: 9 VDC +/- 5% @ 6.5 Amps @ 75°C

Detachable, IEC-connected AC Line Cord allows easy field replacement or exchange for various worldwide AC power plug configurations (use only manufacturer's supplied cord).

FIGURE 2 - LED INDICATORS

	POWER
RED	Unit powered up
OFF	Unit powered down

# MECHANICAL INSTALLATION INSTRUCTIONS

## INSTALLATION CONSIDERATIONS

This power supply is supplied as a Rack module only. Units should be installed in dry locations protected from extremes of temperature and humidity.

### C1-US, C1-EU, C1-AU OR C1-CH CARD CAGE RACKS

**CAUTION:** Before installing, be sure that the power supply is turned off and that the rack power supply is disconnected from any power source.

1. Make sure that the power supply is oriented right side up, and slide it into the card guides in the rack until the power supply's front panel sits flush against the front of the card cage.

**CAUTION:** Take care not to press on any of the LEDs.

2. Tighten the two thumb screws on the card until the front panel of the power supply is seated against the front of the rack.
3. Connect the wires to the Electrical Connector on the back of the C1 Card Cage. Connect supplied AC Line Cord to power connector in the rear of the power supply.

**WARNING:** Unit is to be installed only in the C1 ComNet Card Cage.

### IMPORTANT SAFEGUARDS:

- A) Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.
- B) Reduced Air Flow** - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.



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