

## DESCRIPTION

## PRODUCT COVERED:

USR, CNR - Linear Power Supplies, Models CP197, F5-25/OVP, F15-15, F24-12, and G5-35/OVP, followed by -A, suffix after the first hyphen may be replaced by -5XX or -7XX where X is 0-9. **Model number may be followed by "G" or SXXX or SXXXG where X indicates letters and/or number 0-9.**

## ELECTRICAL RATINGS:

Model	Input			Output, (dc)	
	V	A	Hz	V	A
CP197	100/120/220/240	6.5/6.5/3.25/3.25	50/60	5	50
F5-25/OVP	100/120/220/240	3/3/1.5/1.5	50/60	5	25
F15-15	100/120/220/240	6/6/3/3	50/60	15 or 12	15 16
F24-12	100/120/220/240	6/6/3/3	50/60	24 or 28	12 10
G5-35/OVP	100/120/220/240	4/4/2/2	50/60	5	35

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Special Considerations - The following items are considerations that were used when evaluating this product.

**This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, CSA/UL 60950-1, First Edition, dated April 1, 2003, Sub-clause 2.10, which would cover the component itself if submitted for Listing.**

The equipment is considered: For building in, Class I (earthed), intended for use on a TN power system.

Conditions of Acceptability - When installed in the end-use equipment, considerations shall be given to the following:

1. **This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, CSA/UL 60950-1, First Edition, dated April 1, 2003, Sub-clause 2.10, which would cover the component itself if submitted for Listing.\***
2. A suitable electrical and fire enclosure shall be provided.
3. The terminals and connectors are suitable for factory wiring only.
4. This power supply was evaluated for connection to a TN power system.
5. The products were tested on a 20 A branch circuit. If used on branch circuit greater than this, additional testing may be necessary. This power supply is considered a Class I product. The power supply shall be properly bonded to the main earthing termination in the end use.
6. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
7. All secondary output circuits for all models are SELV and are not hazardous energy levels, except for Models F5-25/OVP and G5-35/OVP.
8. Magnetic device (e.g. transformer) T1 employs an (OBJY3), electrical insulation system designated Class B.
9. The output is considered SELV.
10. These power supplies have been evaluated for use in a 25 and 50°C ambient in accordance with the manufacturer's specifications. The units were loaded to 100% normal rated load for 25 and 50°C, except for Model F24-12 and CP197. At 25°C convection cooling, maximum load are 75% (F24-12) and 70% (CP197) of normal load. At 50°C, the following units required forced air cooling in order to comply with standard requirements.

<u>Model</u>	<u>Required LFM</u>
F5-25/OVP	200
G5-35/OVP	100
F15-15	250
F24-12	100
CP197	300

11. The maximum working voltage present is 254 V rms, 368 V pk. The Electric Strength Tests in the end product shall be based on this value.
12. Transformer Abnormal Operation Tests were conducted with UL Listed fuses rated 250 V, 1.5 A for Model F5-25/OVP; 250 V, 3 A for Models F24-12 and F15-15; 250 V, 2 A for Model G5-35/OVP; and 250 V, 4 A for Model CP197A connected in the ungrounded conductor circuit.
13. The equipment has been evaluated for use in a Pollution Degree 2 environment.