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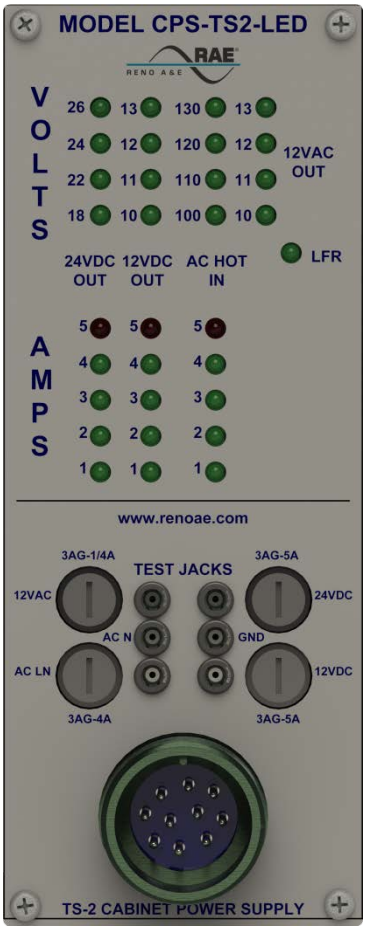
OPERATING INSTRUCTIONS FOR

MODEL CPS-TS2-LED

A TS-2 Cabinet Power Supply with
Voltage and Current Bar Graph Indications

General

The Model CPS-TS2-LED is a TS-2 Cabinet power supply that meets or exceeds NEMA 2003 standard. It requires no set up or configuration. Simple to read LED bar graphs provide approximate voltage and current values for the AC input and outputs.



Voltage Bargraphs

There is a four LED bar graph for the 24 VDC output, 12 VDC output, 120 VAC input, and 12 VAC output. When the value to the left of the LED is reached the LED will illuminate.

Line Frequency Reference Output

A 60 Hz square wave is generated for the line frequency reference (LFR) output. The pulse occurs during the negative half cycle of the AC line sinewave. The LFR output can sink or source 100 mA and it is protected with a self-resetting Polyfuse.

Current Bar Graphs

There is a five LED bar graph for the 24 VDC output, 12 VDC output, and 120 VAC input. When the value to the left of the LED is reached the LED will illuminate. If the rated current of 5 Amps is exceeded, the red LED will illuminate as a warning of excessive current draw. If the 24 or 12 VDC output goes above 6 Amps that output will shut off. The PS will periodically attempt to recover by checking if high current condition still exists.

Front Panel Test Jacks

The front test jacks provide safe and easy access to measure the input AC line voltage and the output voltages 12VAC, 12VDC and 24VDC that are at the PS circular connector.

Pin Assignments

Pin	Function	Pin	
A	AC Neutral	F	Not Used
B	Line Freq. Ref.	G	Logic Ground
C	AC Line	H	Earth Ground
D	+12VDC out	I	12VAC out
E	+24VDC out	J	Not Used

NOTE: If temperatures approach 300°F (150°C) inside the power supply, both DC channels shut off until temperature drops below 284°F (140°C).