

General Description

The Rane RAP 10 Remote AC Power Supply is designed specifically to power Rane units designed for remote AC powering, eliminating the need for individual remote power supplies. Use of the 2-space RAP 10 makes for a compact power supply solution, and adds a Master Power switch to the system.

Outputs from the RAP 10 may be used to power up to ten Rane products designed for remote AC input power from the RS 1 (e. g., GE 30, PE 15/17, AC 22/23/B, DC 24, etc.)

Each of the 10 outputs is individually protected against overloads in excess of 650 milliamps (including short circuits); a problem on one output will not endanger the operation of the RAP 10. All protection devices are solid-state and self-resetting—no glass fuses are used.

In addition, the RAP 10 is UL listed, cUL listed for Canada, and meets EMC and Low Voltage directives. All units powered from a RAP 10 qualify as safety extra-low voltage (SELV) units and are exempt from agency safety approval.

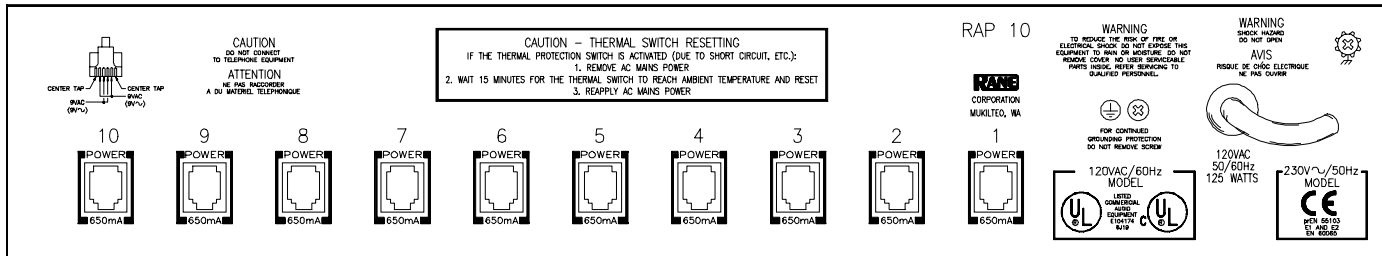


Features

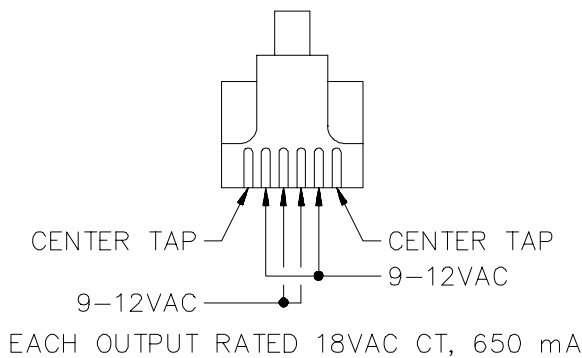
- Ten Isolated 650 mA Outputs
- Self-Resetting Overload Protection
- 120 VAC 60 Hz Model UL and cUL Listed
- 230 VAC 50 Hz Model Meets EMC and Low Voltage Directives
- Solid-State Protected Outputs with No Glass Fuses
- 100% Load Tested
- All Steel Construction
- Includes Ten Connecting Cables

Parameter	Specification	Limit	Units	Conditions/Comments
Output Voltage	18 CT (center tap: 9+9)	2%	VAC	Load = 650 mA, 120/230 VAC line Each Output No Load / Full Load, ±10% Line
Maximum Output Current	650	+10%	mA	
Max/Min Output Voltage	22.8 CT / 16.2 CT	0.4	VAC	
Primary & Output Protection	PTC Resistors			Self-Resetting
RJ-12 Cables	6-Wire, 24 AWG, Black			10 Cables Included
Interconnecting Cable Length	25' (7.6 m)			Recommended Maximum
AC Line Connection	3-Wire, 3-Prong Line Cord Schuko Cord w/CEE 7/7 Plug			120 VAC Domestic & Export Models 230 VAC Export Models
Unit: Agency Listing				Class 2 Equipment
.....120 VAC model	UL			U.L. 813 (file E104174)
.....230 VAC model	cUL (Canada) CE-EMC Certified (EN55103) CE-Safety Certified (EN60065)			C22.2 (file E104174) EMC Directive 89/336/EEC LV Directive 73/23/EEC
Maximum Power Usage	125		VA	
Line Voltage: Domestic	95-130 VAC, 50/60 Hz			
.....Export	190-250 VAC, 50 Hz			
Unit: Size	3.5" H x 19" W x 5.3" D			(8.9 cm x 48.3 cm x 13.5 cm)
.....Weight	10 lb			(4.5 kg)
Shipping: Size	4.5" x 20.3" x 13.75"			(11.5 cm x 52 cm x 35 cm)
.....Weight	14 lb			(6.4 kg)

Rear Panel



Connector Wiring Diagram



Architectural Specifications

The remote power supply shall be configured for 2-space horizontal rack mounting with ten (10) outputs terminated in RJ-12 (6-wire) modular connectors. All outputs shall be rated for 18 VAC with center-taps. Outputs shall be rated for a maximum of 650 milliamps each. All protection devices shall be solid-state and self-resetting.

The unit shall be capable of operating from AC line voltages of 95-130 volts, 50/60 Hz (or 190-250 volts AC, 50 Hz if applicable) and be supplied with a 3-wire, 3-prong line cord for domestic (and selected export) 120 VAC units, or a "Schuko" continental European cord with a CEE 7/7 plug on the 230 VAC model.

The 120 VAC unit shall be UL listed to UL 813 specifications, and cUL listed to Canadian standard C22.2. The 230 VAC unit shall meet the European Union's EMC directive, 89/336/EEC and the Low Voltage directive, 73/23/EEC and shall bear the CE marking.

The remote power supply shall be a Rane Corporation Model RAP 10.