

## FRS 8 Remote Power Supply

### General Description

The Rane Model FRS 8 Remote Power Supply, designed specifically to power Rane Flex Series units, eliminates the need for the individual remote power supplies. Use of the vertically mounted, 2-space FRS 8 makes for a compact power supply solution and adds a master power switch to the Flex system when used in the FVR 10 rack.

One FRS 8 powers a minimum of eight Flex units. When required, individual outputs of the FRS 8 may be combined to double the output current. Outputs from the FRS 8 may also be used to power other Rane products designed for remote AC input power

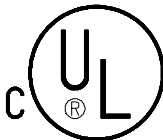
that normally use the RS1 supply (e.g., SM 82, any MPE unit, GE 30, SM 26, AC 22/23, DC 24 etc.).

Each of the 8 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 FRS 8. All protection devices are solid-state and self-resetting – no glass fuses are used.

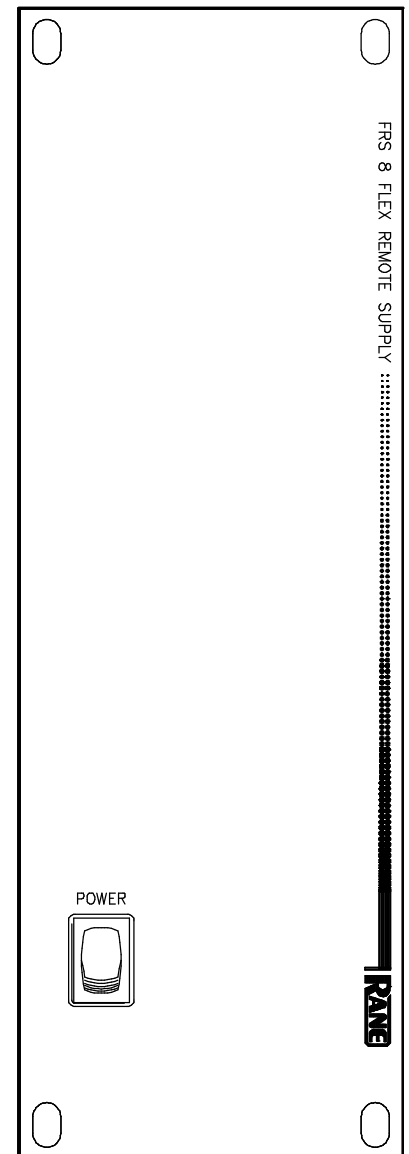
In addition, the FRS 8 is UL listed, cUL listed for Canada, Nemko approved, and meets IEC65/VDE0860 requirements. All units powered from an FRS 8 are exempt from agency safety approval.

### Features

- **120VAC 60Hz MODEL UL AND cUL LISTED**
- **230VAC 50Hz MODEL MEETS IEC 65/VDE 0860**
- **(8) ISOLATED 650mA OUTPUTS**
- **SELF-RESETTING OVERLOAD PROTECTION**
- **SOLID-STATE PROTECTED OUTPUTS**
- **NO GLASS FUSES**
- **100% LOAD TESTED**
- **ALL STEEL CONSTRUCTION**
- **INCLUDES (8) CONNECTING CABLES**

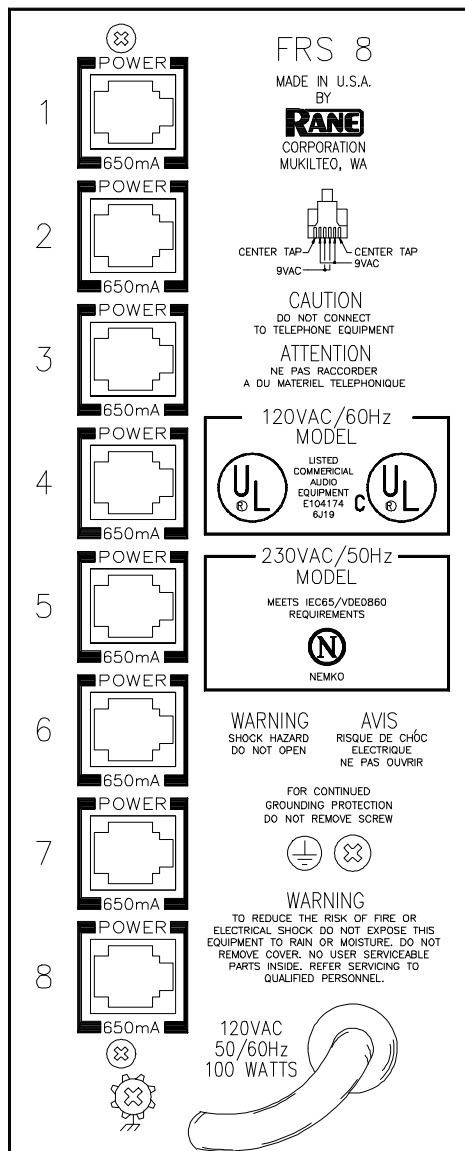

UL 813  
E104174

Canadian  
Standard  
C22.2 No. 1


E44785



Parameter	Specification	Limit	Units	Conditions/Comments
Output Voltage	18CT (center-tap: 9+9)	2%	VAC	Load=650mA, 120/230VAC line
Maximum Output Current	650	+10%	mA	Each Output
Max/Min Output Voltage	22.8CT/16.2CT	0.4	VAC	No-Load/Full-Load, +/-10% Line
Primary & Output Protection	PTC Resistors			Self-Resetting
RJ-12 Cables	6-Wire, 24AWG, Black			(8) 24 (61cm) Cables Included
Interconnecting Cable Length	25' (7.6m)			Recommended Maximum
AC Line Connection	3-Wire, 3-Prong Line Cord Schuko Cord w/CEE 7/7 Plug			120VAC Domestic & Export Models 230VAC Export Models
Safety Agency	U.L., c.U.L., Nemko			Class 2 Equipment
.....Meets	IEC 65/VDE 0860			Harmonization Doc. HD 195.S4
Maximum Power Usage	100		VA	
Line Voltage: Domestic	95-130VAC, 50/60Hz			
.....Export	190-250VAC, 50Hz			
Unit: Size	10.5"H x 3.5"W x 5"D			(26.7cm x 8.9cm x 12.7cm)
.....Weight	6 lb			(2.7 kg)
Shipping Weight	9 lb			(4.1 kg)

## Rear Panel



## Architectural Specifications

The remote power supply shall be configured for HR compatible vertical mounting with eight (8) outputs terminated in RJ-12 (6-wire) modular connectors. All outputs shall be rated for 18VAC 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, 50/60Hz (or 190-250 volts AC, 50Hz if applicable) and be supplied with a 3-wire, 3-prong line cord for domestic 120VAC units and export 230VAC units.

The 120VAC unit shall be UL listed to UL813 specifications, and cUL listed to Canadian Standard C22.2 No. 1. The 230VAC unit shall meet IEC65/VDE0860 specifications.

*The remote power supply shall be a Rane Corporation Model FRS 8.*