

# WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and its subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of five full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.



## Important Notices



### **CAUTION!** AVOID DIRECT EXPOSURE TO BEAM.

All -5, -7, -8, and -9 Models use laser diodes. These solid-state laser diodes are located in the optical ports of these units. Laser diodes produce invisible radiation that may be harmful to human eyes. Never look directly into the optical port of any fiber optic unit designed to operate with single-mode optical fiber.

### **NOT FOR LIFE SUPPORT SYSTEMS**

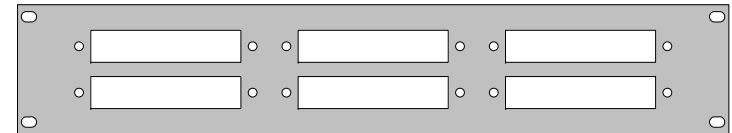
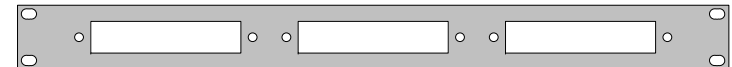
Liteway, Inc. does not authorize or warrant any of its products or accessories for use in critical life support systems or applications of any kind.

# OPERATING INSTRUCTIONS

## Rack Mounting Panels Models RMP-1000, RMP-2000 & Companion Power Supplies PS-1210



The RMP series of rack panels will allow most **Liteway**<sup>®</sup> fiber optic transmitters, receivers or transceivers to be mounted to a standard EIA 19" rack frame. The PS-1210 is a companion power supply that may be used as a stand-alone unit or mounted to a rack panel.



### Technical Specifications RMP Panels

Model No.	Size	Slots	Physical Size	Power Supply
RMP-1000	1U	3	1.75" (44.5) x 19" (483)	PS-1210
RMP-2000	2U	6	3.50" (88.9) x 19" (483)	PS-1210

# RMP Panel Installation Instructions

The RMP Rack Mounting Panels may be mounted to any standard EIA rack frame designed to accept 19" panels or card-cages. Mounting to a rack frame is by means of conventional rack mounting hardware.

Fiber optic transmission units are mounted to the rear of the desired RMP Rack Mounting Panel. First line up the holes in the front panel flange of the transmission unit to the plastic snap bushings on the rack mounting panel then pushing the plastic button to securely lock the unit in place.

## Technical Specifications Power Supplies

Model	AC Input	DC Output*
PS-1210 US	115 VAC 50/60 Hz	12 VDC @ 1 ampere
PS-1210 EU	230 VAC 50/60 Hz	12 VDC @ 1 ampere
PS-1210 UK	230 VAC 50/60 Hz	12 VDC @ 1 ampere
PS-1210 AU	230 VAC 50/60 Hz	12 VDC @ 1 ampere

AC Line Connector      3 position International IEC style  
DC Output Connector    3 position removable terminal block  
Operating Temperature Range    -35° to +75°C

\*Unregulated output. Output may be up to 17 VDC with no load

The RMPB-1001 is a blank filler plate, for unused opening in the rack.

## Power Supply Installation Instructions

The PS-1210 series of power supplies may be used as stand-alone units or mounted to any RMP Rack Mounting Panel in accordance with the details outlined above. When used with the various RMP panels, the PS-1210 will require one free slot.

**Warning!** Exceeding the output current rating of either supply will result in the loss of output due to an internal re-settable fuse. When the current demand returns to the rated value or less, this fuse will automatically reset and restore the proper output.

## Redundant Power supply configuration

The PS-1210 may be used singly or in pairs when redundant operation is desired. In a redundant system, the output terminals of one supply are connected in parallel with the output terminals of the second supply. If one power supply fails, the other supply will then provide full power for the load.

**Caution!** In a redundant system always use the same power supply. Never use a PS-1210 connected in parallel with a PS-1260 or damage may occur.

The PS- series of power supplies also contain an alarm circuit that will signal the loss of one power supply in a redundant system. In such a system the Alarm indicator will light when one supply has lost power. An ALM-1000 Alarm Sensing Module, when used, will also be activated by the PS- series.

## Power Output Terminal Block Connections

Pin	Function
1	Alarm output for use with optional Alarm Sensing Unit ALM-1000. No other connections should be made to this terminal
2	+12 to +17 VDC (depending on load)
3	DC return (Common to Housing)

Note; The terminal block is removable for easier make wire hookup. Be certain to check all connections before applying AC power

## Indicator Lights

Indicator	Lights when
Pwr	AC power is applied, and the presence of DC output
Alrm	One supply has lost power in a redundant power supply configuration.
Over Load	The output current rating of the supply is exceeded.