# WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and it's subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of two 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 -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.

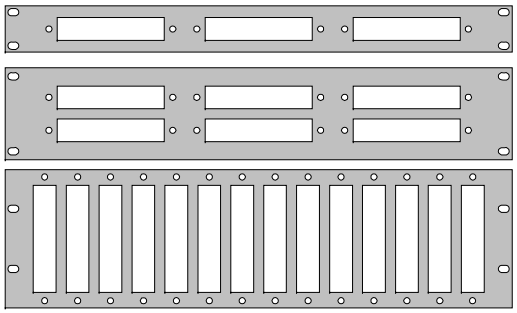
**NOT FOR LIFE SUPPORT SYSTEMS**
Liteway, Inc. does not authorize or warrant any of its products or accessories for use in critical life support systems or applications of any kind.



# OPERATING INSTRUCTIONS

## Rack Mounting Panels
## Models RMP-1000, RMP-2000, RMP-3000 & Companion Power Supplies PS-1210 and PS-1260


The RMP series of rack panels will allow most ***Liteway***™ fiber optic transmitters, receivers or transceivers to be mounted to a standard EIA 19" rack frame. The PS-1210 and PS-1260 are companion power supplies that may be used as stand-alone units or mounted to a rack panel.



Rack Mounting Plate Configurations

## 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 or PS-1260 |
| RMP-3000 | 3U | 14 | 5.25" (133) x 19" (483) | PS-1260 |

Liteway®
Www.Liteway.com
166 Haverford Road
Hicksville, NY 11801
USA 516-931-2800

# 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-1210US | 115 VAC 50/60 Hz | 12 VDC @ 1 ampere |
| PS-1210EU | 230 VAC 50 Hz | 12 VDC @ 1 ampere |
| PS1260US | 115 VAC 50/60 Hz | 12 VDC @ 6 amperes |
| PS1260EU | 230 VAC 50 Hz | 12 VDC @ 6 amperes |

| | |
|---|---|
| AC Line Connector | 3 position International IEC style |
| DC Output Connector | 3 position removable terminal block |
| Regulation | 20% typical |
| Operating Temperature Range | -35° to +75°C |

# Power Supply Installation Instructions

The PS- 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 while the PS-1260 will require two adjacent slots.

**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 and PS-1260 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.

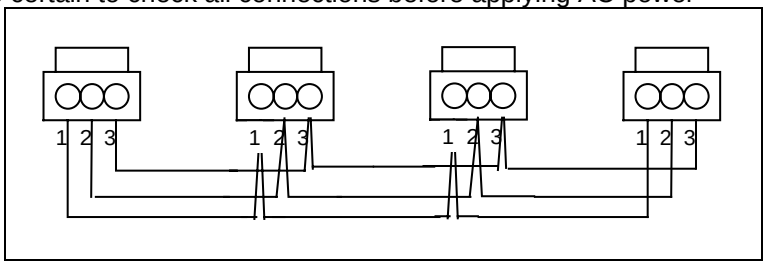
**Caution!** In a redundant system always use the same power supply. Never use a PS-1210 connected in parallel with a PS-1260 or damage may occur.

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 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 +16 VDC (depending on load) |
| 3 | DC return (Common to Housing) |

Be certain to check all connections before applying AC power




Suggested wiring of units in RMP panel

**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. |