GE Security

Installation/Operation Instructions
Warranty Information

R3

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POWER SUPPLY

The standard power supply for the R3 is the PS-R3, which is included in the standard R3 configuration. The standard supply is a 115 VAC input, which is provided through a pre-wired 6 foot line cord. A 230 VAC input power supply is optional. The voltage output of the supply, 20 VAC center-tapped, supplied by a three (3) pin female connector, wired as follows:

YELLOW LEADS: 20 VAC transformer (secondary) output

GREEN LEADS: Center tap of transformer secondary

Although the polarity of the 3-pin connector is unimportant, the connector is installed such that the notch mates with the locking piece on the 3 pin male connector.

The primary (115 VAC or 230 VAC) of the transformer is fused with a 1 amp slow-blow fuse. It is extremely unlikely that this fuse will blow, however, since both voltage input lines to the plug-in modules are individually fused at .5 amp.

A red input lamp glows when power is applied to the unit.

EARTH GROUND

Use 18AWG stranded wire attached to ground lug and earth ground.

FOR R3 SUPPLIES WITH DC INPUT TO DC OUTPUT

This would include PS-R3-24 with a 24 VDC input and a +/- 12 VDC output and a PS-R3-48 with a 48 VDC input and a +/- 12 VDC output shall be installed in place of the PS-R3-115/230 VAC version. The +12 VDC would be on the red wire, with the -12 VDC on the blue wire and black being the ground return. We recommend the use of a minimum of 18AWG wiring for the DC input.

BACK PLANE

The back plane of the rack is solely for the purpose of distributing voltage to the plug-in modules. A 3-pin male connector is provided from the back plane for each module slot in the rack, supplying 20 VAC center-tapped. This is the only electrical connection from the back plane to a plug-in module.

PLUG-IN MODULES

Plug-in modules are installed by sliding the module into a pair of top and bottom card guides in any available slot in the rack. The module should be pushed in completely such that the 3-pin female connector on the rear of the card engages the 3-pin male connector on the back plane. The plug-in module is then fastened into place by tightening the two captive panel screws into the appropriate mating hole with a small flat blade screwdriver.

Each plug-in module is equipped with a red LED, which will glow when power is applied to the rack. It is impossible for the failure of any module to disable the entire rack, since each input voltage line on the plug-in module is individually fused at .5 amp.

The user should refer to the individual module's operating instructions for information regarding the detailed operation of that module.

TROUBLESHOOTING

a. Should the power lamp on the power supply fail to light, insure that power to the line cord is being supplied. If power is on the line cord, check and replace the fuse, contained in the fuse holder on the rear of the power supply. As a final measure, the power supply should be replaced and returned.

b. Should the power LED on all individual plug-in modules fail to light, check the following:

(1) The power lamp on the power supply should be lit.

(2) The 3-pin connector from the power supply should also be firmly connected to its mating connector on the back plane.

(3) All plug-in modules should be firmly seated into their respective 3-pin back plane mating connectors.

If the above conditions have been met, the rack should be replaced and returned.

c. Should the power LED on an individual plug-in fail to light, check the following:

(1) The plug-in module should be firmly seated onto the 3-pin connector on the back plane.

(2) The fuses on the module should be intact. If not, return the module for repair.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by International Fiber Systems, Inc. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CLASS 1 LASER PRODUCT
(For purposes of IEC 60825-1)

Complies with FDA Performance Standard for Laser Products
Title 21
Code of Federal Regulations
Subchapter J

Comprehensive Lifetime Warranty

(a) Seller warrants to the original End User that products and any services furnished hereunder will be free from defects in material and workmanship as of the date of delivery, and will conform to Seller's published technical specifications. The foregoing shall apply only to failures to meet said warranties which appear within that period of time during which the Products are installed in their original installation for the original End User and operator of such Products; provided, however, that in the event of product discontinuance, warranty support is limited to five (5) years from the announcement of discontinuance. Notwithstanding the preceding sentence, the duration of the warranty period for products not manufactured by Seller (e.g., fiber optic cabling, test equipment, power supplies or batteries) shall be the warranty period offered by the original manufacturer, if any.

(b) The conditions of any tests shall be mutually agreed upon and Seller shall be notified of, and may be represented at, all tests that may be made. The warranties and remedies set forth herein are conditioned upon (a) proper storage, installation, use and maintenance, and conformance with any applicable recommendations of Seller and (b) Buyer promptly notifying Seller of any defects and, if required, promptly making the product available for correction.

(c) If any product or service fails to meet the foregoing warranties, Seller shall thereupon correct any such failure either at its option, (i) by repairing any defective or damaged product or parts of the products, or (ii) by making available any necessary repaired or replacement products or parts thereof. Any repaired or replacement part or product shall be warranted for the remaining period of the original Warranty Period. Seller shall pay, or credit Buyer for, the cost of freight for all return shipments of products or parts to Buyer. Where a failure cannot be corrected by Seller's reasonable efforts, the parties will negotiate an equitable adjustment in price.

(d) The preceding paragraph sets forth the exclusive remedies for claims based on defect in or failure of products or services, whether the claim is in contract, indemnity, warranty, tort (including Seller's negligence), strict liability or otherwise and however instituted. Upon the expiration of the warranty period, all such liability shall terminate and BUYER shall have a reasonable time, within thirty days after the warranty period, to give written notice of any defects which appeared during the warranty period. The foregoing warranties are exclusive and in lieu of all other warranties, whether written, oral, implied or statutory. NO IMPLIED OR STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE SHALL APPLY. Seller does not warrant any products or services of others which BUYER has designated.

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