

GE
Security

Rack Card Enclosures
Model 501R, 502R, 503R

installation instructions



imagination at work

Federal Communications Commission and Industry Canada Radio Frequency Interference Statements

Due to the design and intended use of this product, compliance testing and certification is not required.

GENERAL

This manual is a guide to the installation and use of the 501R, 502R, and 503R rack card enclosures. Please read the entire manual before installing the equipment.

The 501R, 502R and 503R rack card enclosures are durable and compact racking units:

- a. The 501R enclosure accommodates a single rack card
- b. The 502R enclosure accommodates two rack cards or one rack cards that occupies two rack slots.
- c. The 503R enclosure accommodates three rack cards or a combination of rack cards that occupy three rack slots.

These rack card enclosures are designed specifically to enable users of fiber-optic links to use standard rack cards as stand-alone fiber-optic modules.

They permit the logical combination of a small number of rack card units in a small space without the need to place them in the traditional 19-inch card cage assemble designed to hold up to 17 one-inch cards.

The 501R, 502R and 503R rack card enclosures provide the user with all the advantages of a standalone modular unit, while retaining the flexibility to combine fiber-optic links at a later date within a standard card cage, when appropriate for the system configuration.

Unpacking the Unit

In the event that anything is missing from the following list, contact your authorized Fiber Options dealer or representative.

- 501R, 502R, or 503R rack card enclosure
- Instruction manual

Save the original packing materials in case it becomes necessary to return the unit.

INSTALLATION

To install a module into the enclosure, simply slide the rack card into the enclosure and tighten the locking screws provided on the front panel of the card.

To mount the enclosure on a wall or other surface,

1. Determine where the module is to be installed, and ensure that there is adequate space at both ends for making the various cable connections and for reading the diagnostic LEDs.
2. Standalone modules are provided with mounting holes for four No. 6 screws (3-mm or 3.5-mm screws). See Figures 1 and 2.

The type of screw chosen must be suitable for the surface on which the module is to be mounted.

POWER CONNECTIONS

The 13.5 to 16 VDC power source (Model 613P or 614P power supply) is wired to the three-pin connector on the rear of the enclosure. See Figure 1 and Table 1.

MAINTENANCE

The 501R, 502R and 503R enclosures do not require any field adjustments, periodic maintenance, or calibration.

CONTACTING FIBER OPTIONS

Have the exact model number and product code of your equipment available.

FIGURE 1: 501R, 502R AND 503R MOUNTING DIMENSIONS

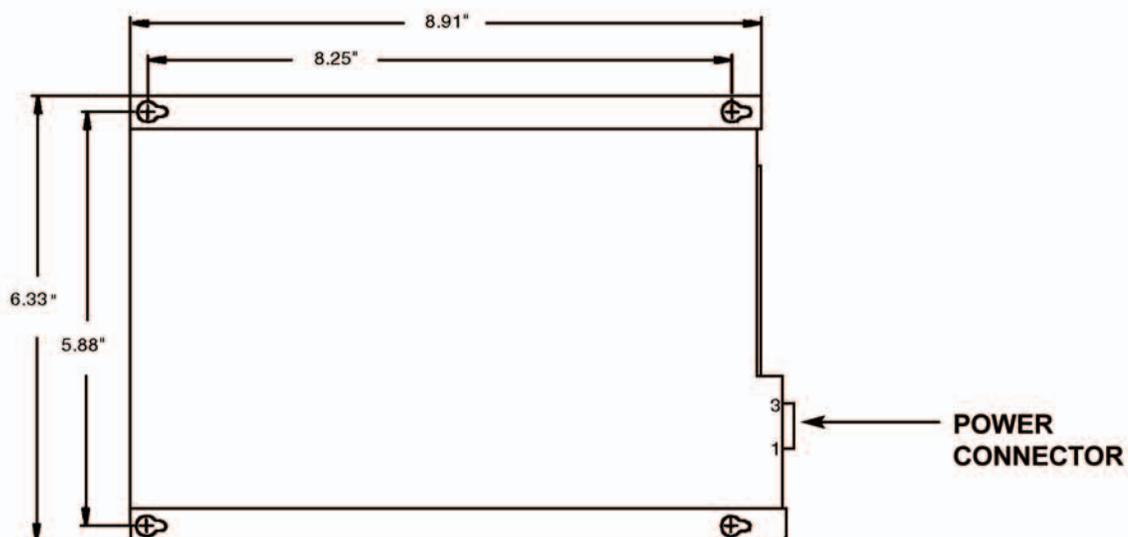


FIGURE 2: 501R, 502R AND 503R REAR VIEW

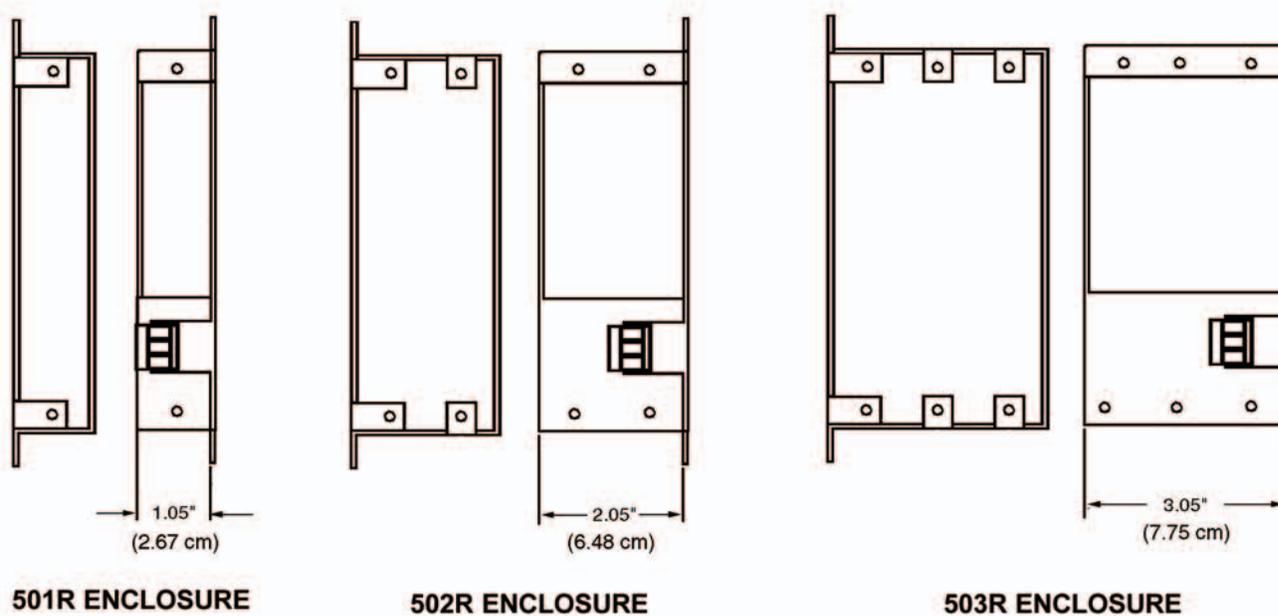


TABLE 1: POWER CONNECTIONS

| PIN | FUNCTION |
|-----|-----------------|
| 1 | GROUND |
| 2 | NOT USED |
| 3 | +13.5 to 16 VDC |

NOTE: To provide earth ground reference, Stand Alone (Enclosure) modules need to be connected to a good earth ground. This can be accomplished by connecting a copper-based conductor from the modules DC Common/Ground pin to an approved earth ground.

SHIPPING AND PACKAGING

Before shipping or transporting your Fiber Options unit, pack it securely to prevent damage that could occur in transit. Use care to protect all connectors, LEDs, and corners from possible damage.

RETURNS TO FIBER OPTIONS

If any equipment must be returned to Fiber Options for repair or replacement, you must obtain authorization from our Return Authorization department before shipping.

Customers in other countries should contact their regional representative listed on the back cover of this manual. A Return Authorizations representative will provide full instructions for returning your product at that time.

NOTE: All authorized returns must be clearly marked with the Return Authorization information. Please follow the instructions completely.

NOTE: Fiber Options will not accept return delivery of any product without prior authorization.

Customer Support

For assistance in installing, operating, maintaining, and troubleshooting this product, refer to this document and any other documentation provided. If you still have questions, please contact technical support during normal business hours (Monday through Friday, excluding holidays, between 6 a.m. and 5 p.m. Pacific Time).

GE Security

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