Owner's Manual

5U Low-Profile Wall-Mount SmartRack™ Enclosure

Model: SRWF5U

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TRIPP·LITE

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1. Important Safety Instructions ⚠

- Keep the enclosure in a controlled indoor environment, away from moisture, temperature extremes, flammable liquids and gasses, conductive contaminants, dust and direct sunlight.
- Leave adequate space at the front and rear of the enclosure for proper ventilation. Do not block, cover or insert objects into the external ventilation openings of the enclosure.
- The enclosure is extremely heavy. Use caution when handling the enclosure. Do not attempt to unpack, move or install it unassisted. Use a mechanical device such as a forklift or pallet jack to move the enclosure in the shipping container.
- Do not place any object on the enclosure, especially containers of liquid, and do not attempt to stack the enclosures.
- Inspect the shipping container and the enclosure for shipping damage. Do not use the enclosure if it is damaged.
- Leave the enclosure in the shipping container until it has been moved as close to the final installation location as possible.
- Install the enclosure in a structurally sound area capable of handling the load, or on a level floor that is able to bear the weight of the enclosure, all equipment that will be installed in the enclosure and any other enclosures and/or equipment that will be installed nearby.
- Use caution when cutting packing materials. The enclosure could be scratched, causing damage not covered by the warranty.
- Save all packing materials for later use. Repacking and shipping the enclosure without the original packing materials may cause product damage that will void the warranty.
- Do not reship the enclosure with additional equipment unless the enclosure was shipped with a special shock pallet ("SP1" models only). The combined weight of the enclosure and installed equipment must not exceed the load capacity of the pallet. Tripp Lite is not responsible for any damage that occurs during reshipment.
- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.

2. Overview

The SRWF5U Low-Profile Wall-Mount SmartRack Enclosure provides convenient and secure vertical mounting for all standard 19-inch rackmount equipment, regardless of vendor, and ships fully assembled for quick and easy deployment.
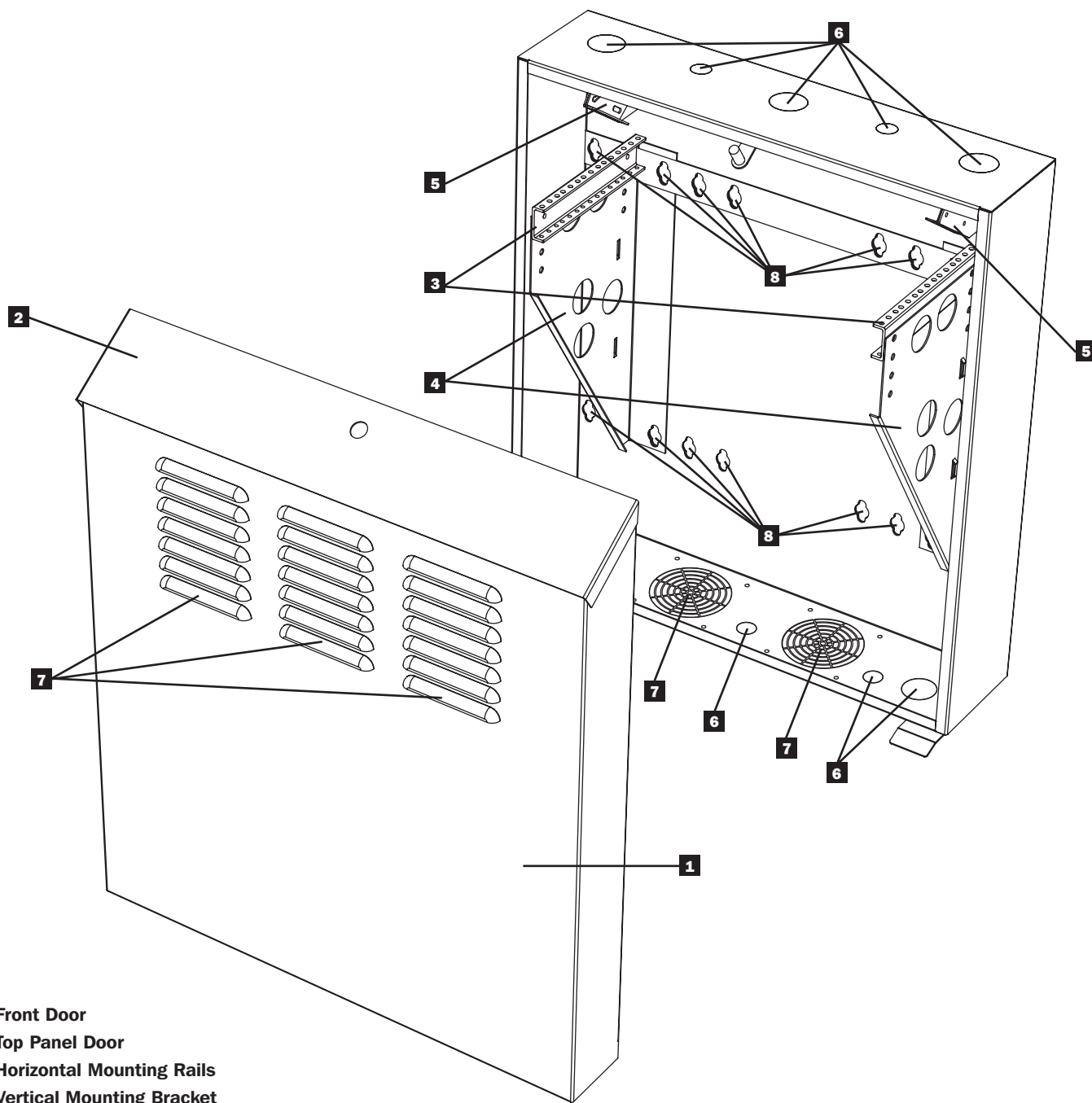
1 Front Door
2 Top Panel Door
3 Horizontal Mounting Rails
4 Vertical Mounting Bracket
5 Patch Panel Mounting Bracket
6 Cable Access Holes
7 Vents
8 Wall-Mounting Slots

4. Enclosure Installation

⚠ **Caution! Read All Instructions and Warnings Before Installation!** ⚠

Warning: Rack enclosures can be extremely heavy. Do not attempt to unpack, move or install the enclosure without assistance. Use extreme caution when handling the enclosure and be sure to follow all handling and installation instructions. Do not attempt to install equipment without first stabilizing the enclosure.

4.1 Preparation

The enclosure must be installed in a structually sound area that is able to bear the weight of the enclosure, all the equipment that will be installed in the enclosure and any other enclosures and/or equipment that will be installed nearby. Before unpacking the enclosure, you should transport the shipping container closer to the final installation location to minimize the distance you will need to move the unit after the protective packaging has been removed. If you plan to store the enclosure for an extended period before installation, follow the instructions in the **Storage and Service** section.

You need several tools:

• Level
• Phillips-head Screwdriver
• Appropriate tools for wall mounting

You also need the following hardware:

• Appropriate hardware for wall mounting (not included)

4.2 Unpacking

⚠ **Use at least two people to unpack the enclosure.**

1 Move shipping pallet to a firm, level surface.

2 Open box and remove the four foam cormer protectors. Save all packing materials for later use unless you are certain they will not be required. Packing materials are recyclable.

3 With one person on each side, carefully lift the enclosure out of the box and place on a firm, level surface.

4 Examine the enclosure for any damage or loose parts. Confirm all parts are present. If anything is missing or damaged, contact Tripp Lite for assistance. Do not attempt to use the enclosure if it has been damaged.

⚠ **Never extend more than one component from the enclosure at a time.** ⚠

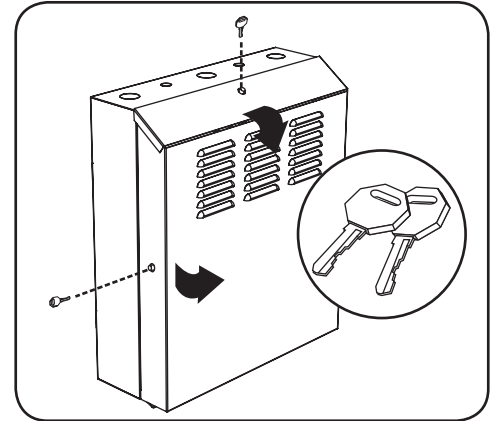⚠ **Warning: Never attempt to lift or install without adequate help. Do not try lifting the enclosure alone.**

5. Enclosure Configuration

Before installation, be sure to plan the location and arrangement of components within the enclosure. Be sure all mounting rails are reversed or adjusted for depth, depending on your equipment configuration.
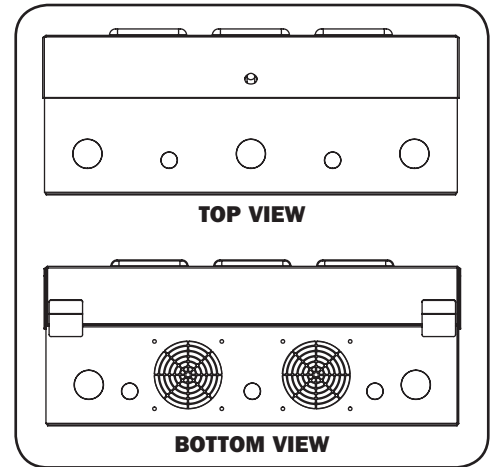
5.1 Door Locks

The front door and the top panel door both have locks that are accessible by the included keys. The front door latch can also be locked with a user-supplied padlock for extra security.
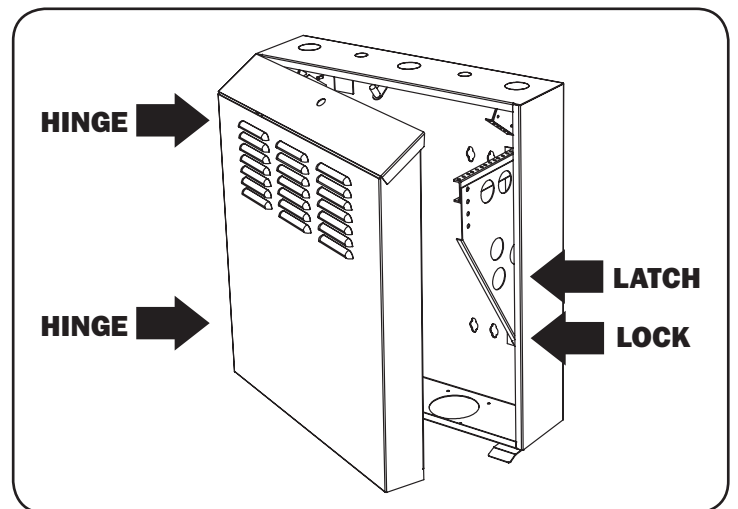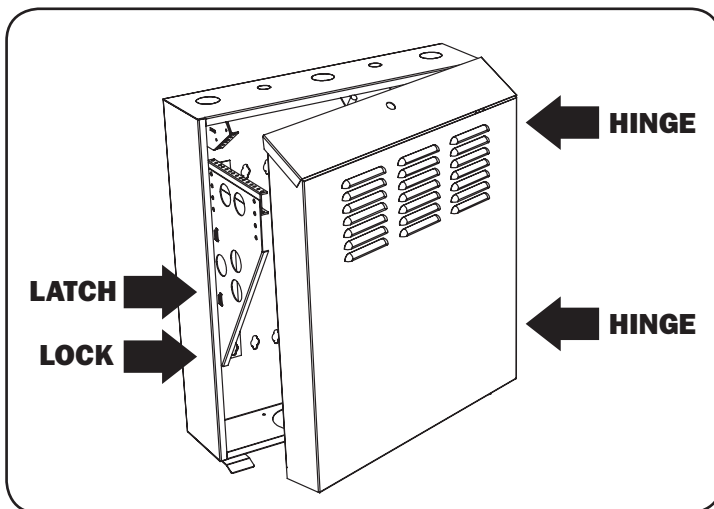
5.2 Cable Access and Management

The top and bottom panels of the enclosure both have circular cable access ports for convenient cable management. The top has three 1.75" ports and two 1" ports, while the bottom has three 1" ports and two 1.75" ports.

TOP VIEW

BOTTOM VIEW

5.3 Reversing the Front Door

In order to accommodate various rack installations, the front door can be reversed by switching the configuration of its latch, lock and hinges. To reverse the door, simply remove the screws that secure the latch, lock and hinges to the enclosure. Move each piece to the opposite side of the enclosure, so that there are two hinges on one side (one at the top, one at the bottom) and the latch and the lock on the other side.

Note: The unused screw holes are filled with rubber placeholders. To remove the placeholders, push them through with a screwdriver. Keep the placeholders to refill unused screw holes.

HINGE

HINGE

LATCH

LOCK

HINGE

HINGE

LATCH

LOCK

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5.4 Mounting Rails

The enclosure comes with reversible horizontal mounting rails that have threaded holes for mounting rack equipment. The holes on the top of the rail are threaded for M6 hardware, while the holes on the bottom are threaded for 12-24. To install equipment, use the included M6 or 12-24 hardware to secure equipment to the rails. (See the following page for equipment installation instructions.) **Warning: Be sure to have the enclosure securely mounted to the wall, or in its final position on the floor before mounting any equipment inside. Also be sure to have all the right adjustments on your rails before mounting equipment. (See below for Adjusting Mounting Rail Depth.)**
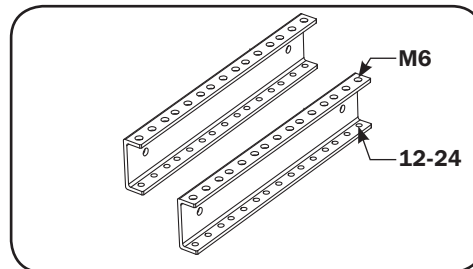
5.5 Adjusting Mounting Rail Depth

Warning: Do not attempt to adjust rails while equipment is installed in the enclosure. Do not attempt to use rails without screws installed. (2 per rail.)

The two horizontal mounting rails are pre-installed to accommodate equipment with a mounting depth of 20 inches (508 mm). Do not adjust the mounting rails unless your equipment requires a different mounting depth. The rails can be adjusted in 1-inch increments for mounting depths between 17 inches (432 mm) and 20 inches (508 mm).

1 Each rail is connected to the enclosure with 2 screws: 1 at the front of the enclosure and one at the rear. Using a Philips-head screwdriver, remove the screws that fasten the rails to the enclosure.

2 Slide the mounting rails vertically to the desired depth and reattach them using the screws you removed in Step 1.
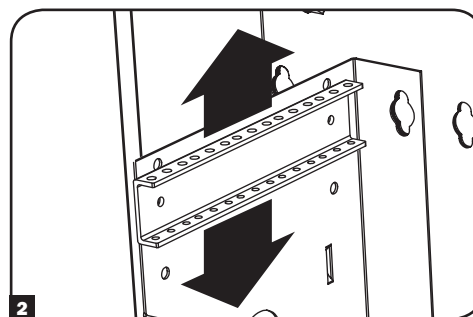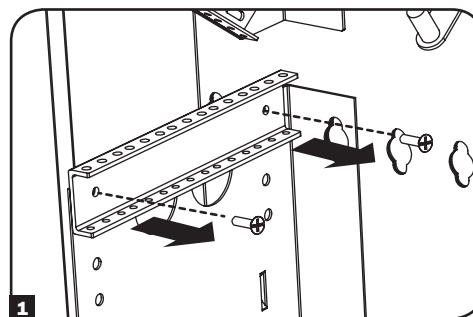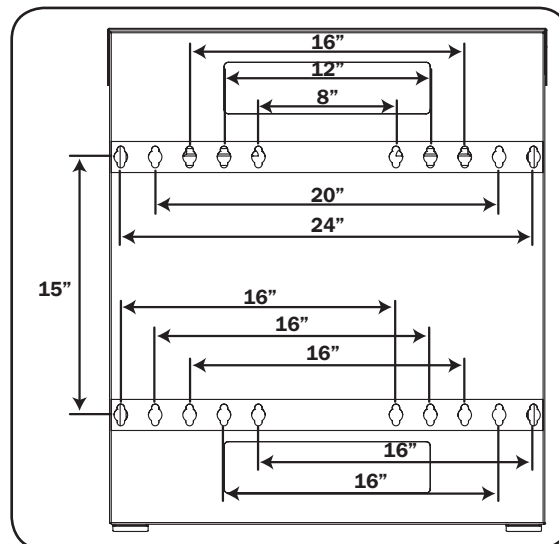
6. Wall Mounting the Enclosure

Warning: Do not attempt to mount the enclosure to the wall with equipment mounted in the enclosure.

6.1 Mounting

There are 20 keyhole cutouts on the back door of the enclosure arranged in 4 sets of 5. Each keyhole can accommodate an M10 or 3/8" bolt. The holes are on 16" centers, with the holes in each set 2" apart from center to center. Holes are then 15" apart vertically, as shown in the diagram.

Using a level, measure to position your mounting areas precisely. Use appropriate fasteners (not included) to secure the enclosure to the wall. **Warning: The area you plan to mount the enclosure to must be able to withstand the weight of the enclosure and all mounted equipment. For the weight of the enclosure and its capacity, see the specifications on page 8.**

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7. Equipment Installation

Warning: Do not install equipment until you have stabilized the enclosure. If using sliding equipment rails, be careful when extending the rails. Do not extend more than one set of sliding equipment rails at one time. Avoid extending sliding equipment rails near the top of the enclosure.

Note: The threaded holes in the middle of each rack unit are numbered. A single rack unit includes the space occupied by the numbered hole and the holes directly above and below.


1 Rack Unit
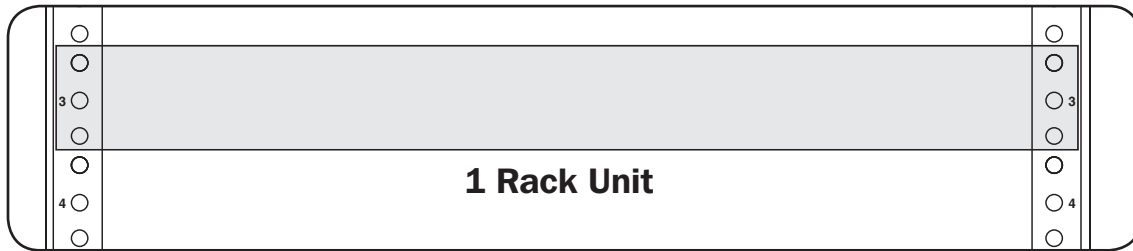
WARNING: Follow the instructions in your equipment documentation to ensure proper installation of your equipment.

1 Locate the numbered openings in the mounting rails where you plan to install your equipment. Lower your equipment into the enclosure and set it down on the mounting rails, lining up the mounting holes on the equipment with the mounting rail's mounting holes.
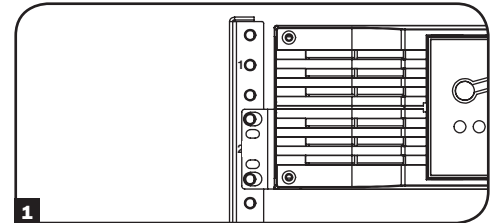
2 Use the included mounting screws and washers to secure your equipment to the rack rail. Place the washers between the screws and the equipment mounting brackets.

Note: Your equipment may also include mounting hardware. Read the mounting instructions that came with your equipment before installing your equipment.
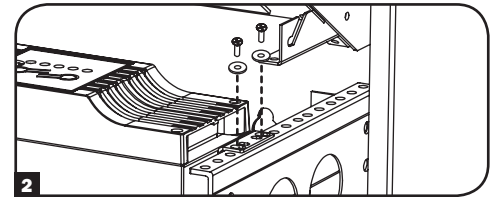
8. Optional Patch Panel Installation

The SRWF5U comes with an integral, slide-out mounting bracket at the top of the enclosure. It can be used to secure a patch panel to the enclosure, and it partially slides out for easier cabling access. To install a patch panel on the patch panel mounting bracket, use the included mounting screws and washers to secure your equipment to the rack rail. Place the washers between the screws and the patch panel mounting bracket.
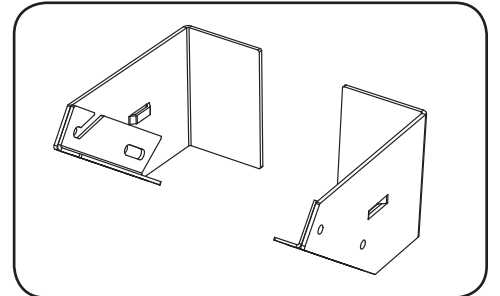
9. Specifications

Model	SRWF5U
Dimensions (H x W x D)	28.8 x 25.6 x 9.7" (732 x 651 x 247 mm)
Unit Weight	45 lb (20.4 kg)
Load Capacity*	150 lb (68.1 kg)
Mounting Depth (Adjustable)	17" to 20" (432 to 508 mm)

* Full wall-mount load capacity requires a mounting surface capable of bearing the full load.

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10. Storage and Service

Storage

The enclosure should be stored in a controlled indoor environment, away from moisture, temperature extremes, flammable liquids and gasses, conductive contaminants, dust and direct sunlight. Store the enclosure in its original shipping container if possible.

Service

Your Tripp Lite product is covered by the warranty described in this manual. A variety of Extended Warranty and On-Site Service Programs are also available from Tripp Lite. For more information on service, visit www.tripplite.com/support. Before returning your product for service, follow these steps:

1. Review the installation and operation procedures in this manual to insure that the service problem does not originate from a misreading of the instructions.

2. If the problem continues, do not contact or return the product to the dealer. Instead, visit www.tripplite.com/support.

3. If the problem requires service, visit www.tripplite.com/support and click the Product Returns link. From here you can request a Returned Material Authorization (RMA) number, which is required for service. This simple on-line form will ask for your unit's model and serial numbers, along with other general purchaser information. The RMA number, along with shipping instructions will be emailed to you. Any damages (direct, indirect, special or consequential) to the product incurred during shipment to Tripp Lite or an authorized Tripp Lite service center is not covered under warranty. Products shipped to Tripp Lite or an authorized Tripp Lite service center must have transportation charges prepaid. Mark the RMA number on the outside of the package. If the product is within its warranty period, enclose a copy of your sales receipt. Return the product for service using an insured carrier to the address given to you when you request the RMA.

11. Warranty and Warranty Registration

5-Year Limited Warranty

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of 5 years from the date of initial purchase. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, at its sole discretion.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLECT. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

Warranty Registration

Visit www.tripplite.com/warranty today to register the warranty for your new Tripp Lite product.You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

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