



## Zonit<sup>®</sup> μATS<sup>™</sup> Optional Retention Kit Installation Guide

Version 1.

## PRODUCT OVERVIEW

**Product ID:** Zonit® Micro Automatic Transfer Switch (“μATS™”)  
**Model:** All  
**Option:** *μATS Retention Kit* – Part Number μATS1-OPT-RET

**Description:** This kit consists of a pair of keyhole style “D-ring” brackets and matching zip-lock nylon ties. Use it in situations where it is desirable to physically attach the Zonit μATS™ to the equipment being powered or secure it to the rack where the equipment is mounted.

## PRE-INSTALLATION CONSIDERATIONS

Prior to deployment of the μATS™ Retention Kit, to insure the μATS™ will function properly in its intended application, the following site considerations should be reviewed.

### *MOUNTING OPTIONS*

The μATS™ has NEMA 5-15, IEC C14 or NEMA L5 plugs on its input cords, intended to be connected to 15A single phase 120V power sources. The output is an IEC320 C13 female plug, which is the most common input to modern electronic data processing equipment.

The μATS™ can be used in several configurations:

- *Direct Attach* – The μATS™ is connected directly to equipment via its integral IEC320 C13 plug.
- *Indirect Attach* – The μATS™ can be connected indirectly to equipment via an optional accessory, the *IEC C13 Extension Kit* ( Part Number μATS1-EXT-C13).
- *Plugstrip Feed* – The μATS™ can be used to feed a 15A plugstrip via an optional accessory, the *NEMA 5-15 Extension Kit* – (Part Number μATS1-EXT-515).

Note: For applications that use 208-240V 10A input Zonit offers μATS™ models for that application. Call for availability.

The μATS™ Retention Kit can be used in both the direct attach and indirect attach scenarios.

## SITE PREPARATION

Perform site preparation in accordance with the directions in the *μATS™ User Guide*.

## INSTALLATION

- Take the *μATS™ Retention Kit* out of its shipping materials (it may be bundled with a μATS™ unit or shipped separately, depending on how it was ordered) and verify that there are two keyhole style “D-ring” brackets and two matching zip-lock nylon ties, intact and undamaged.

### *Direct Attach Scenario*

- Make sure that the equipment the *μATS™ Retention Kit* will be installed onto is powered down. If the equipment is already powered up, **be sure** to follow the manufacturers recommended shutdown procedure before powering it down.



Figure 1 - μATS™ Retention Kit Materials

- If a μATS™ unit was already installed, remove it after the equipment is powered down.
- Locate a screw (which must not be a flathead screw) on the rear panel of the powered-down equipment that you are installing the μATS™ Retention Kit onto. Choose a screw that is close to the power inlet. Orient the zip-lock tie wrap retainer so that it will be pulled on as close to the center axis of the power inlet as is practical. Loosen the screw slightly, only enough to slide the supplied tie wrap retainer underneath it. It is recommended that you **do not** remove the screw. Once the tie wrap retainer is slid underneath the screw, tighten it securely. See Figure 2 below for an example installation.



Figure 2 – Example Installation of Tie Wrap Retainer

- Note:* If no screws are located near the power inlet, it may be advantageous to use two tie wrap retainers instead of one. This way two tie wraps can be used and their off-center axis forces on the μATS™ unit balanced.
- Insert the μATS™ unit via the integral IEC320 C13 female plug into the equipment to be powered. If the plug on the μATS™ will not insert because of clearance issues, use an optional accessory, the IEC C13 Extension Kit (Part Number μATS1-EXT-C13) to do an indirect attach installation.

This C13 extension cord can be used to make the connection between the equipment and the  $\mu$ ATS™. Do **NOT yet** plug in either the **A** or **B** input cords of the  $\mu$ ATS™ - that will be done at a later step.

- Take one or both of the zip-lock tie wraps supplied with the  $\mu$ ATS™ *Retention Kit* and thread them through the retention eyelets in the case of the  $\mu$ ATS™. If only one tie wrap will be used, it can be advantageous to thread it through both of the  $\mu$ ATS™ retention eyelets as shown in Figure 3a and 3b. Note that the square end of the zip tie is positioned so that it is aligned parallel to the top edge of the  $\mu$ ATS™ case, which makes threading and tightening the zip tie much easier.



Figures 3a & 3b -  $\mu$ ATS™ *Retention Kit* Installed

- If desired clip off the excess length of the zip-lock tie with a suitable tool.
- Now connect the  $\mu$ ATS™ to power following the instructions in the  $\mu$ ATS™ *User Guide*.
- Turn on the equipment following the manufacturers recommended startup procedure.

#### *Indirect Attach or Plugstrip Feed Scenarios*

- Make sure that the equipment the  $\mu$ ATS™ *Retention Kit* will be connected to is powered down. If the equipment is already powered up, **be sure** to follow the manufacturers recommended shutdown procedure before powering it down.
- If a  $\mu$ ATS™ unit was already installed, remove it after the equipment is powered down.
- Locate a suitable location in the equipment rack or cabinet to attach and secure the  $\mu$ ATS™. It is recommended that you choose a location in the rack that will not interfere with normal operation of slide rail kits or inserting and removing equipment from the rack. Make sure that the adapter cord that you are using for the indirect attach of the  $\mu$ ATS™ is long enough to not have tension on it when the  $\mu$ ATS™ is secured to the rack.
- Use one or both of the zip-lock tie wraps to secure the  $\mu$ ATS™ unit to the rack. It may be useful to use one or both of the tip wrap retainers, but this is most often not needed, the zip-lock tie wraps can usually be laced around or through some part of the rack structure.
- Now connect the  $\mu$ ATS™ to power following the instructions in the  $\mu$ ATS™ *User Guide*.

- Turn on the equipment following the manufacturers recommended startup procedure.

## DE-INSTALLATION

- Shutdown then power off all the equipment that the  $\mu$ ATS™ is supplying power to following the  $\mu$ ATS™ de-installation instructions in the  $\mu$ ATS™ *User Guide*. **Be sure** to follow the manufacturers recommended shutdown procedure for all equipment.
- Cut the zip-lock tie wraps that secure the  $\mu$ ATS™ unit to the equipment or rack.
- Now remove the  $\mu$ ATS™ from the equipment or rack.
- If a direct attach scenario was used, loosen the screws holding the tie wrap retainers to the equipment, and then slide them out from under the screw heads. It is recommended that you **do not** remove the screws. After removing the tie wrap retainers, re-tighten the screws securely. If tie wrap retainers were used with a rack, unscrew and remove them.

## WARRANTY

The  $\mu$ ATS™ Retention Kit made by Zonit Structured Solutions, LLC in the U.S.A. is warranted to be free of defects in materials and workmanship for a period of 1 year from date of purchase. If the product becomes defective during the warranty period, we will elect to either repair or replace it free of charge. After contacting Zonit Structured Solutions for a return authorization, send the product (with the original proof of purchase and freight prepaid) to Zonit Structured Solutions, LLC, 1790 30th St. #140, Boulder, Colorado, 80301.

This warranty does not include repair or replacement of any equipment used with the  $\mu$ ATS™ Retention Kit. It does not apply to any product which has been repaired or altered in any manner by anyone other than Zonit Structured Solutions, LLC or to any product which has been installed, connected, used, or otherwise adjusted other than in accordance with written instructions furnished by Zonit Structured Solutions, LLC. Zonit Structured Solutions, LLC shall also not be obligated to repair or replace product which is found to be in need of repair because of damage resulting from accident or misuse. Zonit Structured Solutions, LLC makes no other express warranty for the product. No agent, representative, dealer, or employee of Zonit Structured Solutions has the authority to increase or alter the obligations or limitations of this warranty.

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