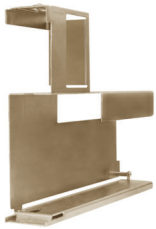


Technical Document

Subject: Upgrading ARS-9 chassis with RM3048HE's	Author: Jonny Hendry	Ref: TIB161302
Date: 17/03/2016	Hardware Revision: N/A	Serial Number Range: N/A

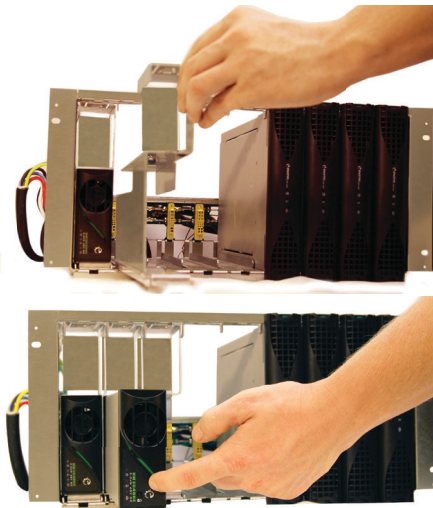
Status: (cross out) Information ~~Recommended~~ ~~Mandatory~~



Scope

This technical information bulletin details how to upgrade an older ARS-9 RM3048XE power shelf to allow the fitment of the new smaller form factor RM3048HE with the chassis adapter P-3KWCHASSADPT.

This work can be completed with the system live. Without deliberate misuse of the product, it is not possible for the metal components to come in contact with any live parts. Installation of the adapter should be considered as safe and easy as installing a new hot-swappable module.



Instructions

- Remove the RM3048XE modules from the shelf you wish to upgrade.
- Insert the new chassis adapters, start with the first left position within the shelf and move right (take careful note of the orientation of the chassis, do not invert!).
- Combinations of RM3048HEs and RM3048XEs can be used. However, the adapter upgrades must be installed from left to right. For example, you may only require 3x RM3048HEs to be fitted; these would be placed in positions 1, 2 and 3, while the remaining six positions would be populated with either RM3048XEs or blanking panels.
- Slide the new RM3048HE module into the adapter, until it is mated with the rear connector and the locking mechanism has clicked into place.

Conclusion

Once you have the new modules installed, connect to the SM3x controller via the USB and view the modules via the 'Monitor' page. The modules should be displayed in green and be delivering current comparable to the other modules on site.

If the configuration software version you are using is below 6.2, the new module type may display as 'unknown' this is because this software was released before the RM3048HE, as such the software is unable to decipher the name code. It will not affect the operation of the system and is purely a display issue.

Note

This adapter chassis is compatible with the ARS-2 horizontal chassis. To fit the adapter to an ARS-2 chassis simply slide it into place as you would a replacement RM3048XE rectifier. Again, take note of the orientation of the adaptor. The blank space on the adapter should be to the left of the rectifier bay, with the new RM3048HE rectifier insertion point being on the right-hand side. This is the same for both the left and right-hand position of the ARS-2 rectifier shelf.

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