

iNC Network Controller Module – Vertical PDU's (MA002)

The iNC Network Controller Module is a hot-swappable network management card that works with the Panduit SmartZone G5 iPDU series of intelligent power distribution units. It is the “brain” of the PDU that contains the most complicated and sensitive electronic sub-systems. It is designed for safe removal without disrupting the PDU hardware operation.

The below instructions also apply for Panduit Upgradable G5 iPDUs, when replacing the blanking panel with an iNC Network Control Module.



Upgradable iPDU
Blanking Panel

Note: The iNC Network Control Modules are designed to connect to a SmartZone G5 iPDU only. Connecting it to another device may result in damage.

INVENTORY:



iNC CONTROLLER

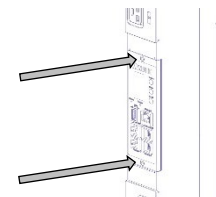
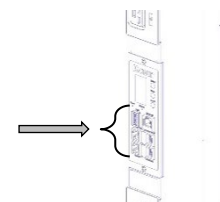
USB
DRIVE



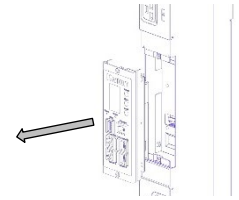
RIBBON CABLE

INSTALLATION INSTRUCTIONS:

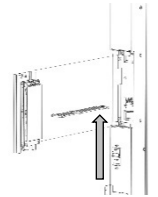
1. Remove all connections from the front of the existing iNC Network Control module (Ethernet, Serial, Sensor, etc.) and document which port each of the RJ45 plugs were connected to as you will need to reconnect the wires to the same ports.
2. Using a T10 screwdriver, loosen the (2) screws securing the iNC Network Control Module or Upgradable iPDU Blanking Panel



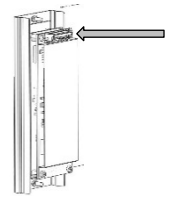
3. Remove the iNC Network Control Module or Upgradable iPDU Blanking Panel from the PDU chassis



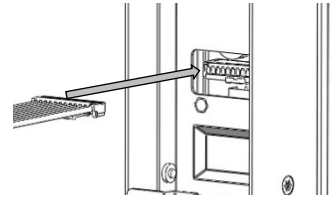
4. For iNC Network Control Module removal – disconnect the iNC Network Control module ribbon cable from the PDU chassis.



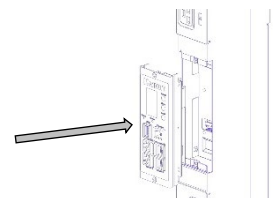
5. Plug the ribbon Cable into the replacement iNC Network Controller module



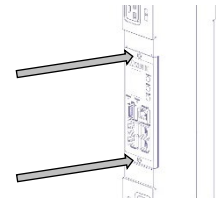
6. Plug the replacement iNC Network Controller module ribbon cable into the PDU



7. Install the replacement iNC Network Control Module into the PDU chassis, while gently folding the ribbon cable being careful not to strain or kink any of the wires contained in the ribbon.



8. Using a T10 screwdriver, tighten the (2) screws securing the iNC Network Control Module in place



Recommended tightening torque = 0.25 - 0.35 N m [2.2 – 3.1 Lb-in]

NOTE: Do not over tighten screws as this may cause metal deformation.

UPDATING THE FIRMWARE:

1. Anytime the controller is replaced or upgraded it is recommended that the firmware be updated to the latest version available.
2. Go to <http://www.panduit.com/pdu-support> and download the most recent firmware version. Locate the Panduit.FW file in the archive and Save to the root directory of the USB Drive
3. Insert the USB Drive into the USB port of the iNC Network Controller
4. To Enter USB mode on the PDU: Press Select / Go to Setup > USB > Yes. Select Yes to confirm entering USB mode.
5. Select F/W Up > Yes to upload new firmware
6. The OLED will show the firmware update progress.
 - a. If progress does not start right away, try a different USB drive or reach out to techsupport@panduit.com for a list of approved USB drives.
7. When the upload is complete, remove the USB Drive
8. From the USB Menu, Select Quit to exit USB mode. Select Yes to confirm exit.
9. The PDU will automatically reboot
10. To confirm that the firmware was uploaded successfully, go to Setup > Device > Firmware
For alternate means to update the firmware, please reference Appendix: Firmware Upgrade Options in the Panduit SmartZone G5 Intelligent PDU User manual.

The Panduit iPDU iNC Network Controller Module is installed, updated, and ready for usage. For more information, please go to www.panduit.com