



## PCD CPU Module Replacement Procedure

Follow these instructions to replace the PCD CPU Type 2 modules.

**CPU Type 2 Part Number: 616016-T2**

### Precautions

The following precautions should be taken when replacing or servicing any of the PCD modules:

1. Use antistatic precautions when handling modules. Always use antistatic bags for transporting modules
2. Remove AC power **and** DC power from the PCD before removing, installing or wiring any of the PCD modules.
3. Incorrect wiring may result in damage. Before energizing the PCD verify that the connectors are plugged into the correct locations and the wiring agrees with the connection diagram.
4. Apply only the rated AC control voltage.

### Instructions

The following instructions contain information required to correctly replace the PCD CPU Type 2 module, located in Slot D.

1. Remove AC and DC system power from the PCD, following your company safety guidelines
2. Locate the module labeled "CPU Type 2", which is mounted Fourth from the left side when facing the rear of the PCD in Slot D, see figures 1 & 2.
3. Locate the mounting screw in the top center of the CPU Type 2 module. Remove the screw and set aside.
4. Locate the mounting screw in the bottom center of the CPU Type 2 module. Remove the screw and set aside.
5. Carefully remove the CPU Type 2 module from the relay housing and set aside.
6. Carefully remove the replacement CPU Type 2 module from the packaging and insert into the PCD chassis. Be certain to align the printed circuit board with the card guides in the housing.
7. Insert the mounting screws that were previously set aside and tighten.
8. Reconnect DC then AC power and the PCD should power up normally.
9. Once the new module is installed, you may get the following prompt on the LCD: "Modules have changed, Press key to update". If so, do the following:
  - a) Press the ENTER key. Prompt will appear: "Update Catalog number?"
  - b) Press the right arrow key to select "Yes" then press ENTER
  - c) The old style number will appear. Press the down arrow key once.
  - d) The new style number will appear. Press the down arrow key once.
  - e) Prompt will appear: "Confirm Update?" Press the right arrow key to select "Yes".
  - f) A password prompt will appear. Press ENTER to proceed, as the default password is 4 spaces.
  - g) After the modules have been updated, reset the PCD by pressing the reset button on the rear of the CPU module. The Self Check LED at the right hand side center of the faceplate should now be GREEN. If it is RED call ABB for assistance.
  - h) All settings on the PCD are stored in the CPU card. Therefore, after installing the new CPU card, the desired protection setting will need to be reprogrammed into the unit.

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Call 1-800-929-7947 option 5 or +1-407-732-2000 ext. 2510 for any other questions you may have.

ABB Inc. has made every reasonable attempt to guarantee the accuracy of this document, however, the information contained herein is subject to change at any time without notice and does not represent a commitment on the part of ABB Inc. These instructions do not purport to cover all details or variations in equipment, nor provide for every possible contingency to be met in conjunction with installation, operation or maintenance. Should particular problems arise which are not covered sufficiently, please contact ABB Inc.

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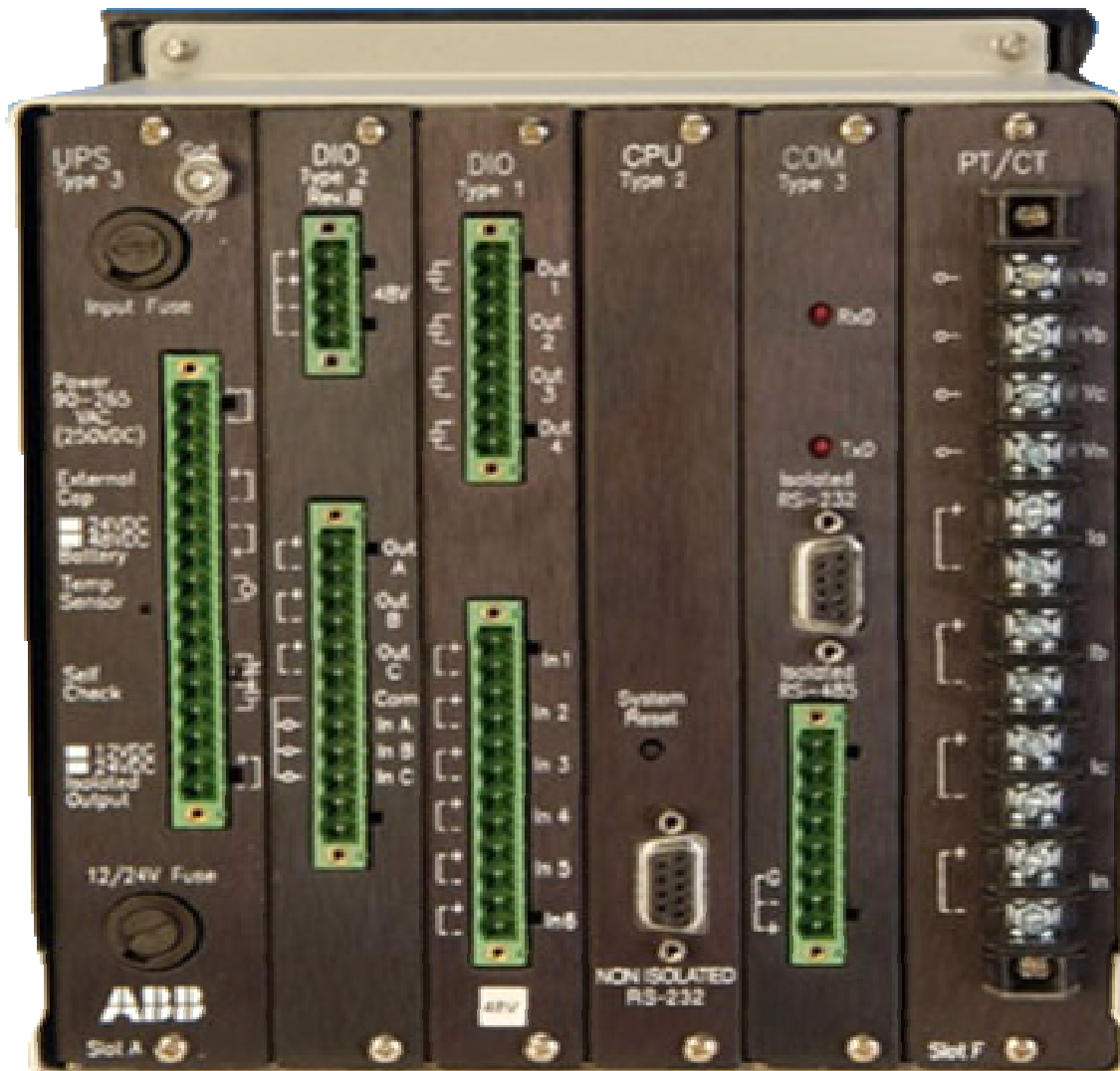
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## PCD Module arrangement, OVR cabinet



Slot A

Slot B

Slot C

Slot D

Slot E

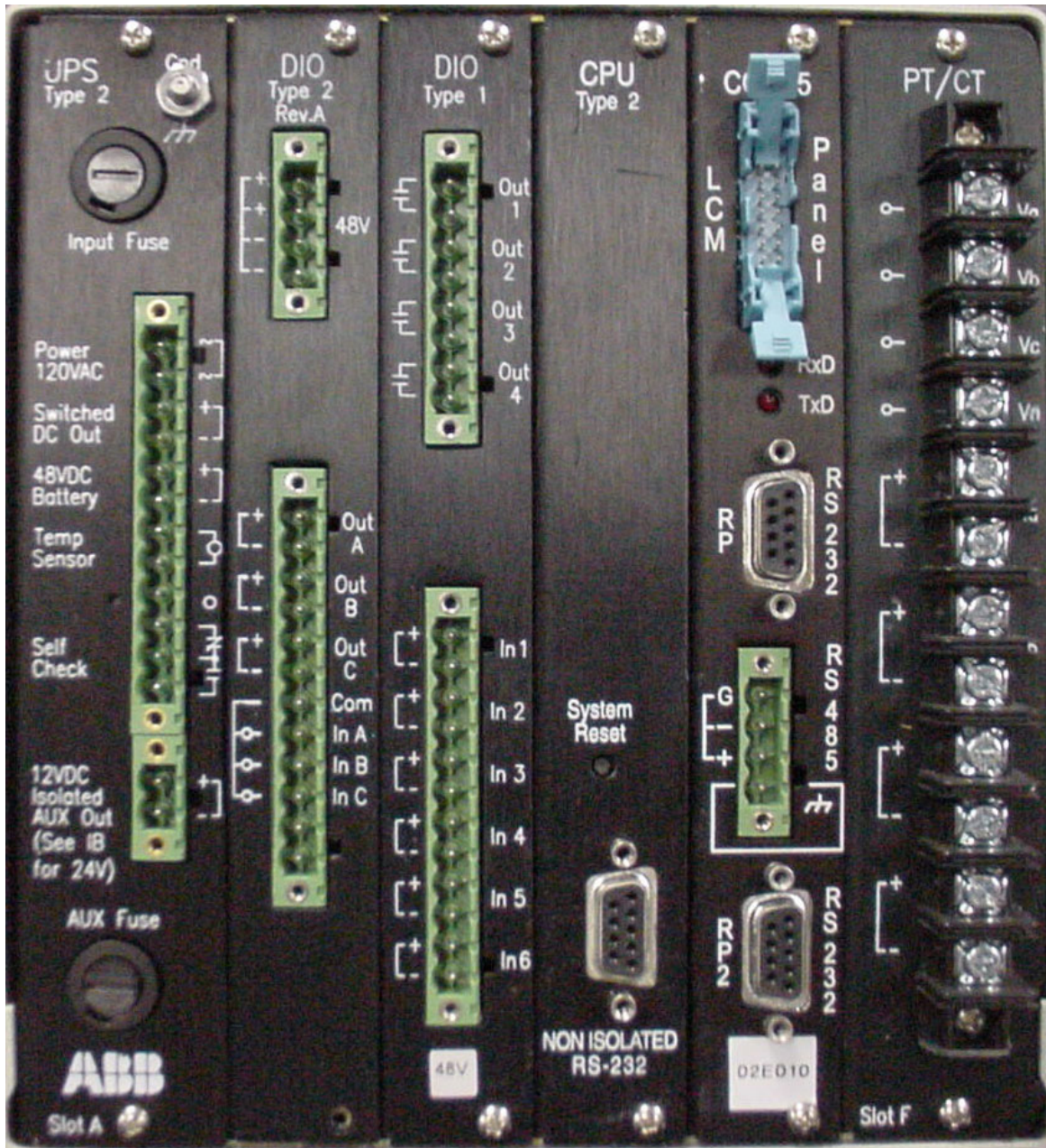
Slot F

Figure 1, rear view of PCD

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## PCD Module arrangement, VR-3S cabinet



Slot A

Slot B

Slot C

Slot D

Slot E

Slot F

Figure 2, rear view of PCD

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