



PCD DIO-Type 1 Module Replacement Procedure

Style# _____

Follow these instructions to replace the PCD DIO Type 1 module.

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 DIO Type 1 module, located in most cases in Slot C.*

1. Remove AC and DC system power from the PCD, following your company safety guidelines
2. Locate the module labeled "DIO Type 1", which is mounted THIRD from the left side when facing the rear of the PCD in Slot C, see figures 1 & 2.
3. With a small screwdriver, loosen and unplug the green Phoenix connectors from the DIO Type 1 module. It is not necessary to remove any wires from the connectors.
4. Locate the mounting screw in the top center of the DIO Type 1 module. Remove the screw and set aside.
5. Locate the mounting screw in the bottom center of the DIO Type 1 module. Remove the screw and set aside.
6. Carefully remove the replacement DIO Type 1 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. Re-install the green connectors and tighten the retaining screws.
9. Reconnect DC then AC power and the PCD should power up normally.

* For PCD's use in devices other than VR-3S or OVR, DIO Type 1 modules are used in slots B & C

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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PCD Module arrangement, OVR cabinet



Slot A

Slot B

Slot C

Slot D

Slot E

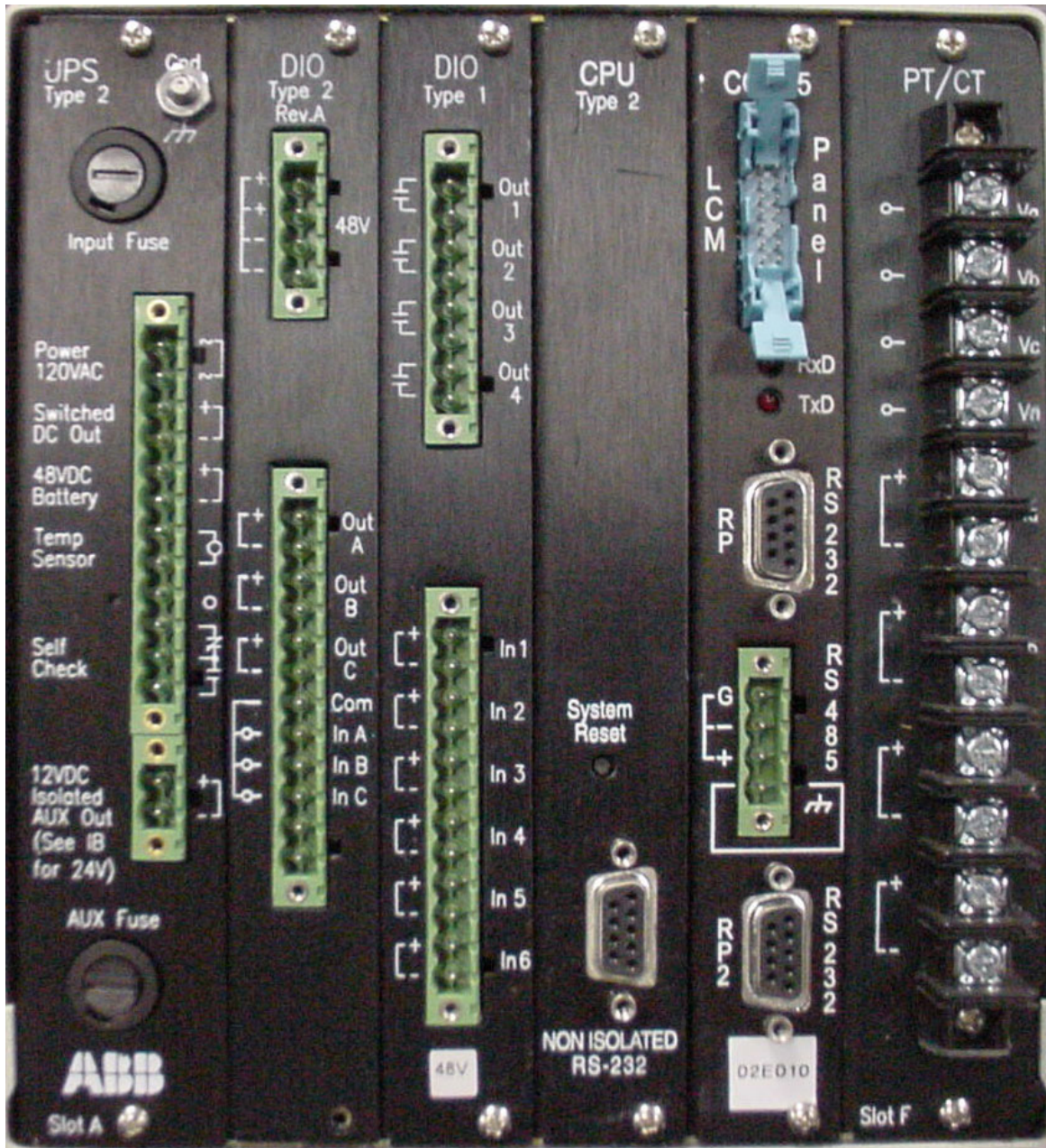
Slot F

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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