

Installation Instructions

Replacement of CPT Controller Inverter Board Set

The following terms are used throughout this document to bring attention to the presence of hazards of various risk levels, or to important information concerning use of the product

DANGER!!	Indicates the presence of a hazard that will cause severe personal injury, death, or substantial property damage if ignored .	Caution	Indicates the presence of a hazard that will or can cause minor personal injury or property damage if ignored .
WARNING!	Indicates the presence of a hazard that can cause severe personal injury, death, or substantial property damage if ignored .	Notice	Indicates special instructions on installation, operation, or maintenance that are important but not related to personal injury hazards.

Inverter Board Replacement

- 1 Lock out and tag out AC power to the CPT Controller at the electrical service panel.

WARNING!	Voltage stored in the capacitor bank of the CPT Controller presents a risk of POTENTIALLY LETHAL ELECTRICAL SHOCK EVEN AFTER THE POWER IS DISCONNECTED. After disconnecting the power, wait 5 minutes. Verify that the red Capacitor Charge LED on the Inverter board has gone out before servicing or removing the controller.
-----------------	--

- 2 Record the location of each wire before disconnecting. Incorrect wiring can cause catastrophic failure of the inverter board. Disconnect the AC input lines. Disconnect dispenser, transducer, pump, and alarm wiring (if applicable). See figure 1.
 - 3 Disconnect the ground wire from the inverter heatsink plate to the chassis ground lug. Refer to figure 1.
 - 4 Disconnect the ribbon cables from connector J5. (Refer to figure 1) Disconnect the network cable from connector J3 (if applicable).
 - 5 Disconnect the tandem cable from the RS232 serial port (if applicable). (Refer to figure 1)
 - 6 Remove mounting screws and cotter pin. Remove the CPT Controller inverter board assembly from the enclosure.
 - 7 Record the DIP switch settings from the old MPU board.
 - 8 Set the DIP switches on the replacement Inverter board assembly MPU board to match the settings recorded in step 6. See figure 2.
 - 9 Install the replacement inverter board assembly and secure with the three mounting screws.
 - 10 Reconnect the ground wire from the inverter heatsink plate to the chassis ground lug.
 - 11 Reconnect network cable to connector J3 (if necessary) and reconnect the tandem serial cable (if necessary).
 - 12 Reconnect the AC input and dispenser signal wiring by routing through the left front conduit, up through the clip and down to the proper connectors. (Refer to figure 3)
 - 13 Route the pump wiring and transducer cable through the right rear conduit and reconnect to the proper terminals. See figure 3.
 - 14 Recheck all wiring connections against the record of the original connections BEFORE applying power to the CPT Controller.
-

Installation Drawings:

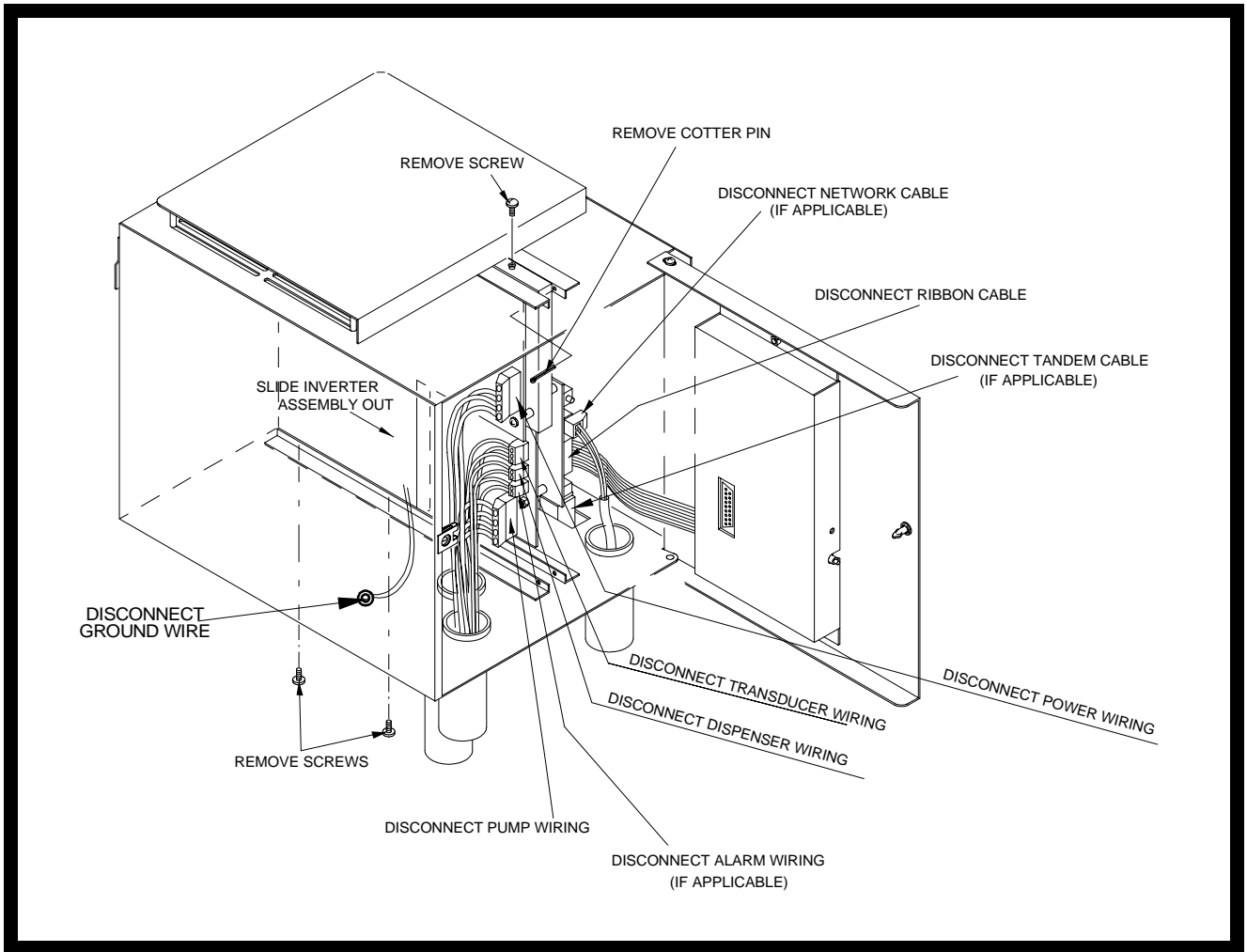


Figure 1 Disconnecting and removing the inverter board assembly

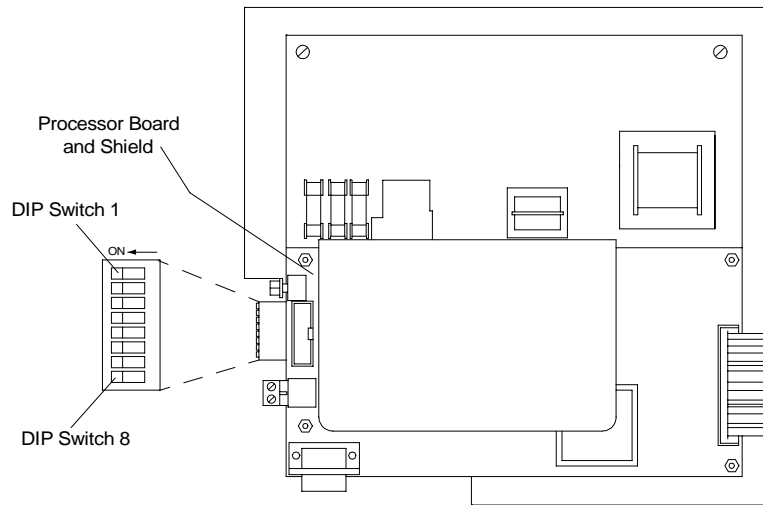


Figure 2 Setting DIP switches

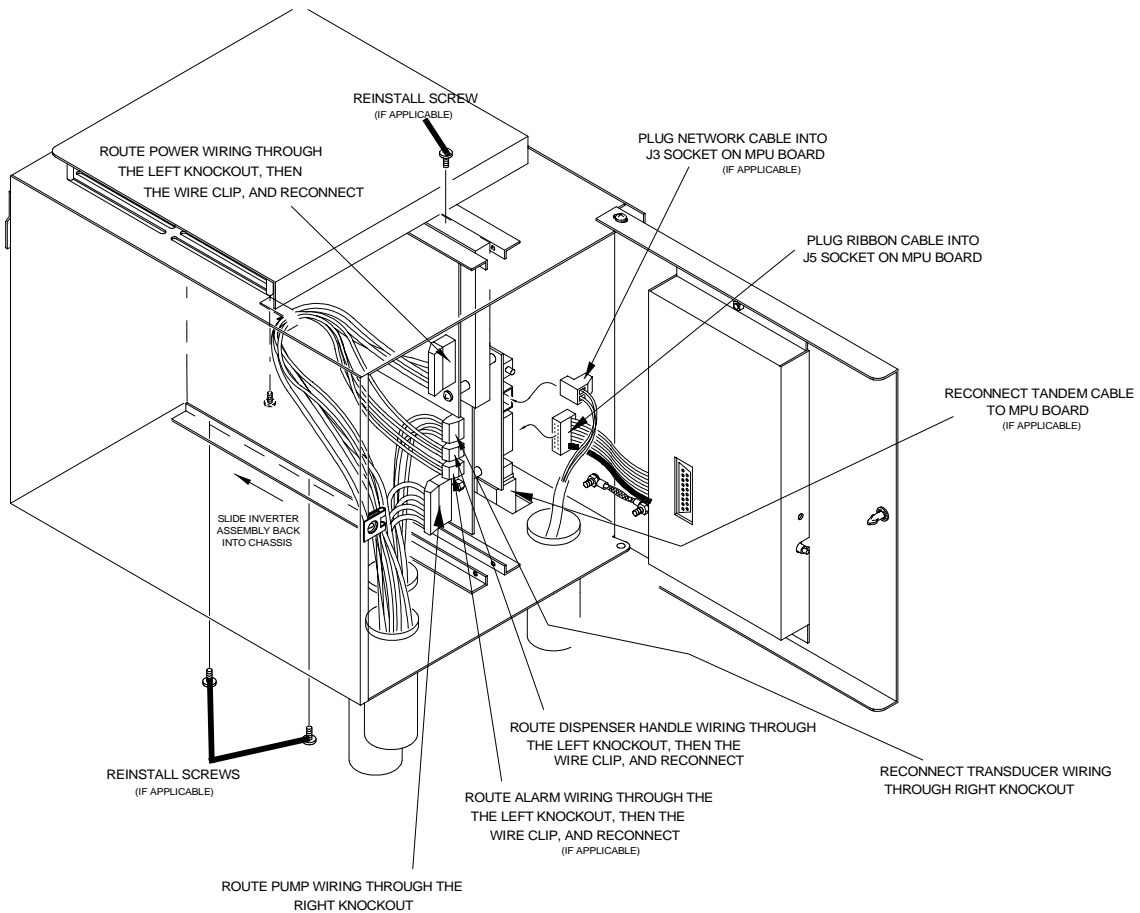


Figure 3 Reinstalling and reconnecting the inverter board assembly



by  **VEEDER-ROOT**

125 Powder Forest Drive • Simsbury, CT 06070
Tel: (860) 651-2700 • Fax: (860) 651-2719

ARE260-312 Rev. C