
INITIALIZING TDS SET POINT ON CONDUCTIVITY CIRCUIT BOARDS

P/N 1236350, PCB Assy, RO Status/Conductivity; P/N ME12311, PCB Assy, Conductivity, New; and P/N ME12142, PCB Assy, Conduct S-700 must be initialized for set point prior to use during installation. This TechNote provides the required instructions.

- 1) Use a TDS meter to obtain the TDS reading from a sample of product water from the RO unit.
- 2) Open controller box and locate conductivity circuit board – specific instructions for different machine types follow.

WARNING:

With controller box door open, high voltage surfaces are exposed. Be careful not to contact any exposed electrical connections.

- a) Central RO – The conductivity board will be in the upper right-hand corner of the control box. Locate the potentiometer (POT R9) - the horizontally placed rectangular component located on the left side of the conductivity circuit board.
 - b) Millennium RO – Remove the top cover from the cabinet. Remove the large screw from the top edge of the electrical control box. POT R9 can be reached for adjustment through the hole left by the screw.
 - c) 700 Series RO – When installing the conductivity board, make the electrical connections to the board, but do not physically mount the board in the box. Adjust POT R9 and then mount the board in the box. Once the board is installed, POT R9 is not accessible.
 - d) F801 RO – Remove the top cover from the remote monitor module (controller) box to expose the conductivity board. Locate POT R9 on the left side of the board when viewed from the front of the machine.
- 3) Adjust the potentiometer using the screw on its side until the displayed value agrees with the TDS reading obtained from the product water (± 0.1 mg/L). On some earlier revisions of these boards the POT R9 may be called POT R3, but the location is the same.
 - 4) Recommended but optional: Seal the POT in place with sealing compound.
 - 5) Securely close the control box.