

TECHNICAL BULLETIN NO. 20140618

June 18, 2014

SUBJECT Microcontroller Replacement Instructions

PRODUCT FAMILY WatchDog 2000 Series Weather Stations

DETAILS

1. Disconnect all sensor wires on the bottom of the Weather Station display module.
2. Remove the four Phillips head screws on the front of the module.
3. Pull the module straight out of the station enclosure (may require light prying or manipulation).
4. Remove the battery cover, and remove all batteries.
5. Flip over the display module and locate the microcontroller chip in its socket. With a small screwdriver or knife, gently pry the chip out of the socket by alternating ends. Grasp the microcontroller by the ends of the black plastic, not the pins.
6. Align the new microcontroller with the socket (note the polarity markings on the microcontroller, the socket, and the circuit board). Be sure all pins are aligned with the socket, and press the chip firmly into place.
7. Reinsert the batteries. The unit should beep when the last battery is inserted, and the display should show the model and serial number, and then ask that date and time be set. If not, double-check that the polarity of the microcontroller and socket are the same, and that the batteries were inserted properly.
8. Replace the display module back into the station enclosure, reinsert and tighten the four Phillips head screws, and reconnect any sensor wires.

