Procedure to modify the EZ-ZONE® Modbus assembly.

1) Connect EIA-485 port of PM having Modbus RTU to computer's EIA-485 port.
2) Configure EZ-ZONE PM comm. port for Modbus protocol and set word order to High/Low. You can use the keypad of the controller to enter the setup page, comms menu.
3) Configure EZ-ZONE PM comm. port baud rate and parity to desired values located in setup page, comms menu.
4) Start the ModbusTest program
5) In ModbusTest, set Comm Port to match that of PC EIA-485 port connected to controller. Set baud rate and parity to match that of EZ-ZONE PM controller configured in step 3.
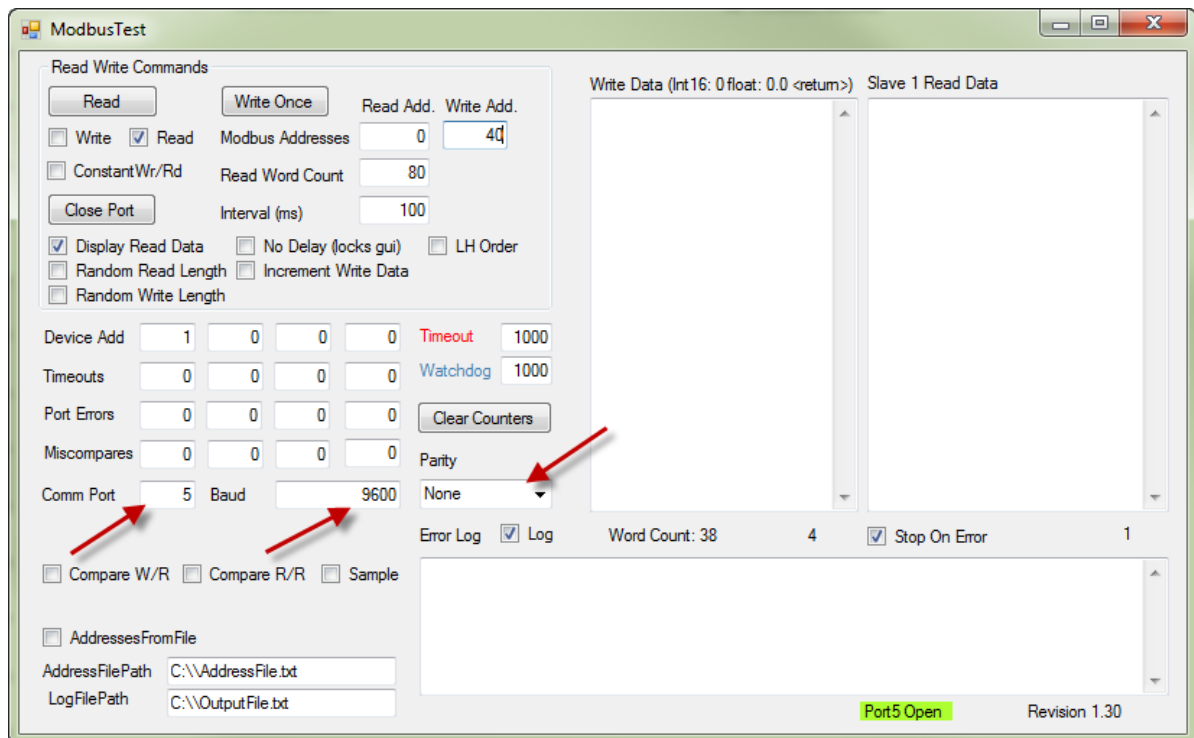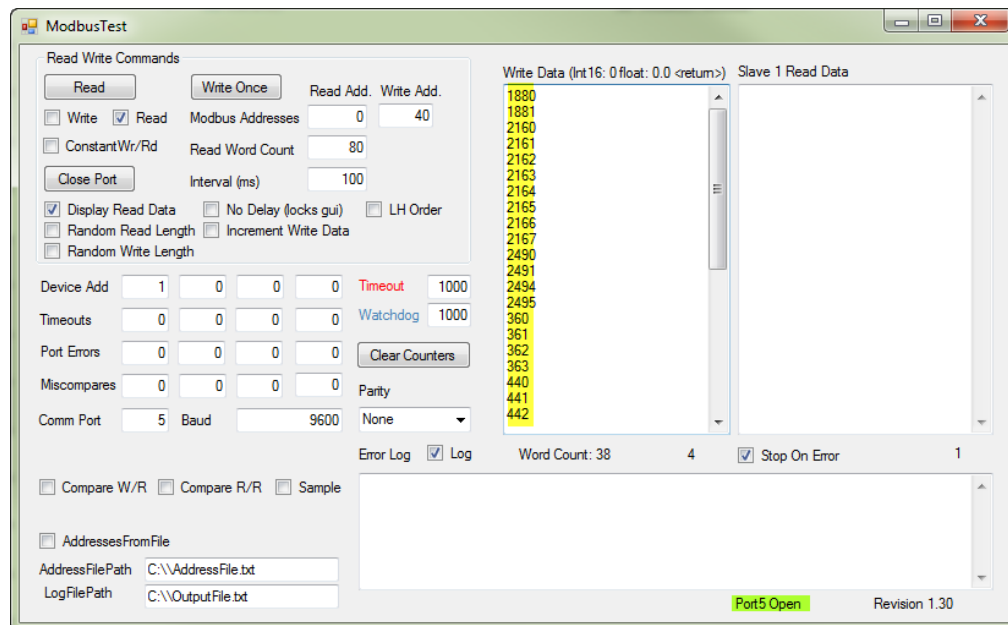
Procedure to modify the EZ-ZONE® Modbus assembly.

6) Uncheck LH Order and enter Write Add. of 40. The unchecked box of LH Order matches the EZ-ZONE PM setting for Modbus word order of High/Low. The write address of 40 is the beginning of the Modbus assembly used for the new pointers to be written. There is room for forty 32-bit pointers.
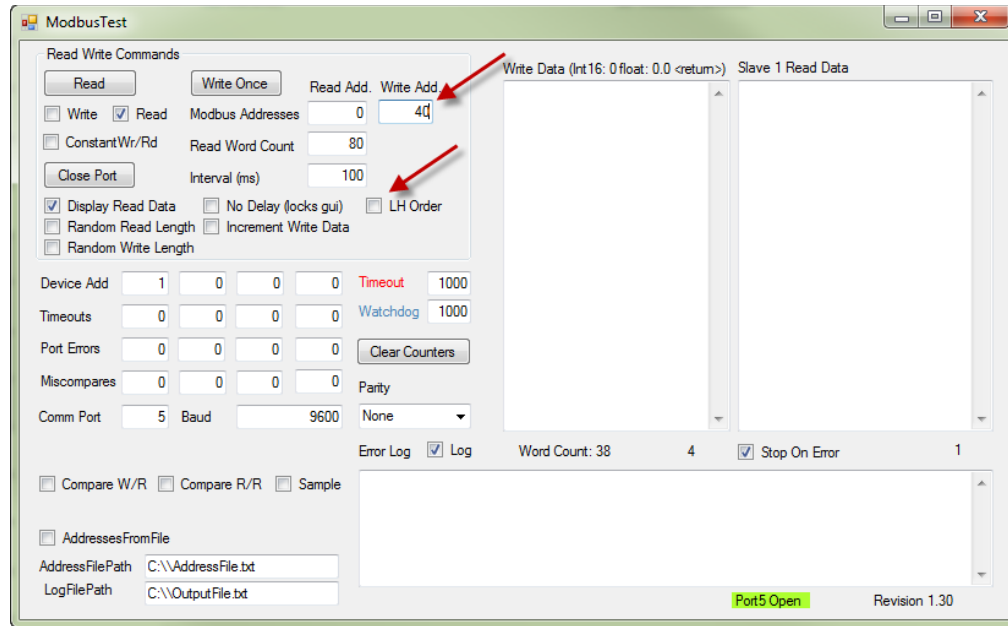

7) Enter the registers one per line in Write Data box ensuring you press the enter key after each entry. You can copy all 80 values from a text file such as the one provided. Note that there are two entries in sequence for each pointer. As example; 1880 and 1881 make of the first pointer 32-bit pointer.

8) The two following graphics highlight in yellow all entered registers for this application.

Procedure to modify the EZ-ZONE® Modbus assembly.
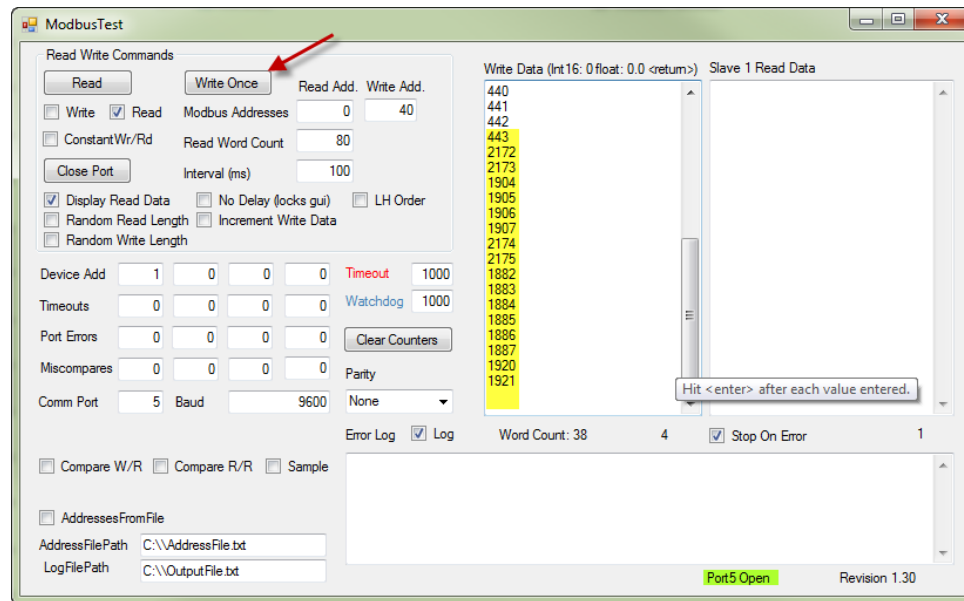
9) Press the Write Once button to have all 80 values written to the EZ-ZONE PM. This assumes you want forty of the 32-bit pointers.

10) You can validate the write by reading at address 40, using a Read Word Count of 80. Click read and the Read Data should show all the values entered. Since we used High/Low word order, the values read back will be also reversed. Here register 40 has 01881 and register 41 has 01180. Use the scroll bar to see all of the written values if they are not in the window displayed.
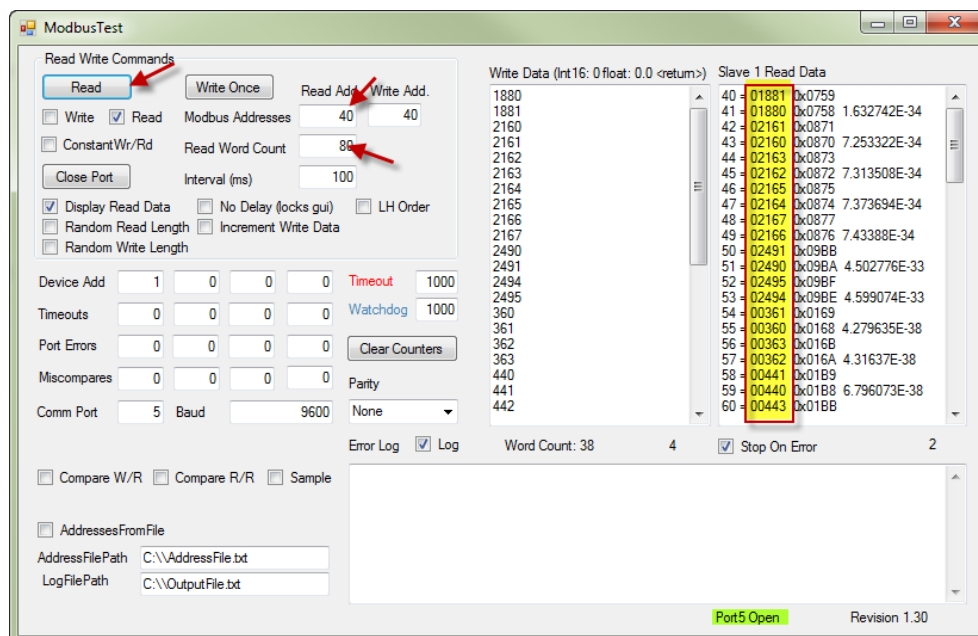
11) This completes the modification of the assembly pointers. The new pointers produce the values starting at Modbus register 200.