OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Softscreen for Windows data scaling example.   AN#1065

Date: 10/9/97

Name: Steve Vargo

Page: 1 of 1

Description:This is an example of how you would do data scaling in Softscreen using version 2.2 and above.

---

1. Make a graphical screen name "Test".(Do not type the Quotes)

2. Put one data entry on the screen with tag name of "E1R".

3. Put two data displays on the screen with tag names of "E1R" and "R1".

4. Go to the screen data editor for screen "Test" and put in the following information.

    Event: Keypress   Key: I cursor   Action: Enable data entry

    Event: Key release   Key: Enter key Action: Load REC1

5. Go to the data drivers and choose the internal driver and put in the following information.

    Tag Name: E1R   Address: #30   Make sure Global is checked.

6. Go to data recipes and create one with the following name of "REC1"

    Destination Tag Name: R1   Source Tag Name: S1R

7.Go to the expressions and enter the following.

    Tag Name: S1R   Expression: E1R*10 (*=multiplication)

8. Go to the PLC driver that you have configured and enter the tag and the address.

    Tag Name: R1   Address: put any PLC address here.

Conclusion: When you enable data entry and enter a value, the value you entered will be shown in the data display "E1R". The data display "R1" will show the value in "E1R" multiplied by 10 then the value will be sent to your PLC address.