



OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Appending Reports to a File Using SoftScreen For DOS

AN#1019A

Date: 2/11/97

Name: Shiu Moy

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Description: Append a report to a file by the minutes or seconds and creates a new file at a specific time, i.e. at midnight.

This is a sample application that will append a report to a file by the minutes or seconds and creates a new file at midnight.

Start SoftScreen and select APPLICATION-LOAD-CONFIGURATION-EDIT-TARGET. A TARGET CONFIGURATION window will be displayed. Click the REPORT LOG ENABLE field for the DISK option.

Create global psuedo keys by selecting KEYPAD-PSUEDO. A PSEUDO KEY configuration window will be displayed. Select a pseudo key and enter the following information:

Trigger Event: Periodic Timeout

Timeout: Enter the time in seconds to append to a file, i.e. 60 for 1 minute and 30 for 30 seconds.

Click OKAY. A second level PSUEDO KEY configuration window will be displayed. Enter the following information:

Function: Execute Selector Button

Recipe/Report/Screen/Selector Name/Security Level: PRINTRPT (Name of the selector button)

Click OKAY. Select a another PSEUDO KEY and enter the following information:

Trigger Event: Condition Becomes True

Condition: #4==0 (This will create a new file at midnight)

Click OKAY . A second level PSEUDO KEY configuration window will be displayed. Enter the following information:



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Function: Write Data To Address

Data Address: #20

Data/Key Press Value: 0

At midnight, the append register (#20) will be reset to 0. The next append will be to a new file.

From the **REPORT-EDIT** menu, select **TOOLS-REPORT-CONFIG** and enter the following information:

Append Expression: #20==1 (Appends the report to the previous file)

Put a selector button on every screen. This is necessary, because the selector button is not a global function. From the **CONTROL-SELECTOR** menu, draw a selector button on the screen and enter the following information:

Object Name: PRINTRPT (Use the same name as the timeout pseudo key from above)

Selector Index Expression: #21

Click on the **FUNCTIONS** button. A second level configuration window will be displayed. Enter the following information:

FUNCTION PRESS:

Function: Print a Report

Recipe/Report/Screen/Selector Name/Security Level: REPORT1

FUNCTION ON RELEASE:

Function: Write Data to Address

Data Address: #20

Data/Key Press Value: 1



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Description: Append a report to a file by the minutes or seconds and creates a new file at a specific time, i.e. at midnight.

Use the same configuration for all selector buttons. To hide the selector button, draw a square with a filled color (same as the background) to cover it.

If the report has PLC addresses, put a data display for each address on all screens. This will force SoftScreen to be updated continuously, otherwise when SoftScreen appends to the file, it will update the information from the PLC first, then perform the append. This will cause a delay and the selector button's *function on release* will be executed ahead of *function on press*, thus a new file will never be created when the append register (#20) is reset to 0. Use the same method to hide the selector button for the data display.