



## OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Automatic Screen Change on Event

AN# 1036A

Date: November 9, 1993

Name: Kenneth L. Jones

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Description: Configure SoftScreen Application for Automatic Screen change on Event

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Description: To configure a SoftScreen application for automatic screen change on event the developer must utilize a Selector object and a Pseudo Key.

Logical Flow:

If a bit is on in the PLC, display the screen that matches a PLC address value. then zero the bit that signifies a need for screen change.

Configuration:

Create a selector object. The selector object should be configured with a selector index expression that associates to the specific function. That is to say the index expression will result in a value that will equal the selector index number you wish to have executed. This could be the PLC address you wish to use to navigate with through the screens.

Enter the Post Selector Address. This is the PLC address that is to be evaluated by the Pseudo Key.

Enter the Post Selector Value. The value of zero (0) should be entered here. This way once the bit has been evaluated and the screen is changed, the bit can be turned off. This is required to coordinate the PLC request for screen change and the Pseudo Key to be configured later.

Select Function and the Index 0 Function configuration screen will appear. Configure the Function on Press to Go to Screen. In the next field, enter the screen name you would like the index number to go to. Remember when the PLC register entered in the Selector Index Expression equals this index then this screen will be loaded.



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Select Next at the bottom of the screen and the next index will appear. Configure as above entering the Screen Name your wish loaded when the PLC register (Selector Index Expression) equals this index. Continue this for all screens you wish to automatically load.

Configure the Pseudo Key:

In the Configuration-Edit menu select Keys. Configure a global Pseudo Key to On Condition, When the Condition Becomes True, to test the PLC bit location that signals a need for screen change. On the next screen, choose the action to be Execute Selector and enter the Selector object name in the following field.

Operation:

The PLC logic will write a value to the selector index expression register. Next, the PLC will write a 1 to the screen change bit. The Pseudo Key will Recognize the bit is on and execute the selector object. The selector object will change the screen and then zero the screen change bit in the PLC.