



OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Creating a Pop-up Keypad in GP-Pro

AN# 1097

Date: 10/2/2001

Name: Paul L. Comstock

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Description: These are the steps necessary to have a keypad pop-up for data entry into a Keypad Input Display.

Affected Products:

All GP/PRO and LogiTouch programming software.

Problem:

How to enter data on a Touch screen unit without an external keyboard.

Solution:

- 1.) In the application, open a new base screen. Select a keypad and place it on the screen.
- 2.) In Screen (menu) select Window Registration and then Add. Enter a screen number that is out of the way (i.e. 100) and a description (i.e. Display Window)
- 3.) A cross-hair will appear on the screen, outline the keypad image by clicking on the upper left and lower right corners. This will define the pop-up Display Window.
- 4.) Another menu will appear. Enter a registration number (1 if this is your first) and a description (i.e. Pop-up Keypad). This completes the defining of the pop-up keypad.
- 5.) Open the window that you want to add a Keypad Input Display that will have the pop-up feature.



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- 6.) **Insert a Keypad Input Display.** For the Word Address enter the word that is to be input (i.e. PLC address). For the Trigger Bit enter a unique address (internal) that will be used to tie this whole function together (i.e. LS030000, internal word 300, bit 00). This same word\bit will be used here in the Keypad Input Display and in the T_tag, U_tag and W_tag.
- 7.) Next select T (_tag) and in the Mode tab enter the Trigger Address defined above (LS030000) and select Set for the Bit Access. This tag is the touch zone, so trace the input area around the Keypad Input Display so when touched it will activate the trigger.
- 8.) Now select the U (_tag) and in the Designated Window tab pick the word address that corresponds with the trigger (i.e. LS0300) and select the Window registration (if more that one is present) that was created above for your pop-up keypad. Place it on the screen where you want it to pop-up.
- 9.) Lastly, select W (_tag). In the Mode tab select Bit and for Trigger type select both edges 0<->1. The Trigger will be LS000603. This is an internal bit from the System Area which toggles each time a valid keypad entry is entered. This trigger (LS000603) should be setup to Reset the bit address of the trigger used in all the above items (LS030000). This will in effect close the Display Window, stop further input into the Keypad Input Display and reset the touch area for a future touch sense.
- 10.) **Test.** Ask for demo application pop-up.prw.