Honeywell

Lab Exercise – Popup Dialog that Sends Output Commands

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TotalPlant

Notices and Trademarks

This module supports **TotalPlant** Solution (TPS) system network.

TPS is the evolution of TDC 3000^X.

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Lab Exercise 3

Introduction

The following lab exercise adds the capability to send output commands to the digital composite's output.

Objectives

Upon completing this lab exercise, you will be able to

- Send process commands from a popup dialog.
- Code display parameters (display.params) to act as aliases for process network values.

Design Criteria

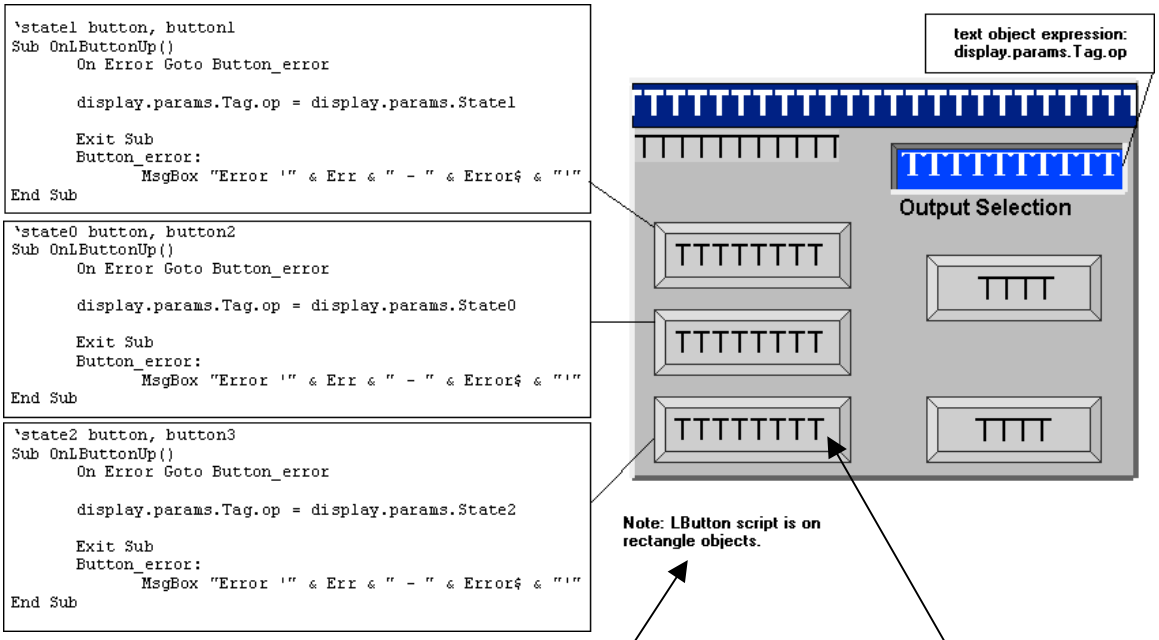
The scripts that you add to the state change buttons are similar to the following example.

```
 'state1 button, button1
Sub OnLButtonUp()
       On Error Goto Button_error

       display.params.Tag.op = display.params.State1

       Exit Sub
       Button_error:
             MsgBox "Error '" & Err & " - " & Error$ & "'"
End Sub
```

The following figure shows an overall data flowchart.



The note that appears under the above popup dialog states that the script is on the rectangle objects. Each of the buttons on the popup dialog is made up of a number of objects, e.g. text, 4 small polygons to give a 3D look to the buttons, and a rectangle object upon which all these other objects are placed. The script is placed on the rectangle part of the button.

Lab Procedure

Step	Action
1.	From your EmbedLab2 folder, open the popup dialog display from the previous exercise called dig_dialog2.pct.
2.	Save this dialog as dig_dialog3.pct into your EmbedLab3 folder.
3.	Add script to your rectangle objects that represent the 3 different button states. Use the script example in the lab exercise's Design Criteria section for the 3 different state change buttons - - State1, State0, and State2. (Note: Add script to the third button even though the LCN point you are using is a 2-state point. Later scripts will make the third button disappear if the LCN point is a 2-state point.)
4.	Validate the display.
5.	Save this dialog as dig_dialog3.pct into your EmbedLab3 folder.
6.	From your EmbedLab2 folder, open the embed display from the previous exercise, embed2.pct, which contains your previous versions of the popup dialog and digital target.
7.	Save the display as embed3.pct into your EmbedLab3 folder.
8.	Replace your previous dig_dialog2.pct in the embed3.pct with your new dig_dialog3.pct. (Choose Edit> Replace Embedded Display>)
9.	(Optional step) Verify that your display parameters and properties have not changed on dig_dialog3.pct. • display parameter for Tag is dispdb.ent01 • dig_dialog's object name is "controller."
10.	Validate the embed3.pct display.
11.	Save the display as embed3.pct into your EmbedLab3 folder.
12.	Run the embed3 display. Result: The dialog appears with null point data.
13.	Select a fill valve and make output changes. Result: The dialog selection text updates to reflect the new output. (Note: Call up a Native Window Detail display to observe your state change commands. Your digital composite tagnames must be in manual, not program manual, to avoid runtime errors.)

Last Page