Module Information:

Name: Riordan Touchpanel Logic v2

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Summary: This module is used to control main pages, subpages, and popups on a touchpanel.

Inputs/Outputs/Parameters:

Inputs:

Main_Page_[xx]_Sel_[yy]	Pulse to send the touch panel to main page [xx].
Main_Advanced_Sel_[xx]	Pulse to go to an advanced page. Exiting the advanced page will take the user back to the previously selected main page.
Main_Advanced_Exit_Sel[xx]	Pulse to exit the advanced page and return to the previously selected main page.
Advanced_Any_Button_Or	When pushed, this will prevent the panel from automatically exiting the advanced page.
Main_R_U_Sure_Sel_[xx]	Pulse to select the system power off confirmation page.
Main_R_U_Sure_Sel_Yes_b	Pulse to indicate that the user would like to shut down the system. After a delay of one second, it will return the user to the previously selected main page.
Main_R_U_Sure_Sel_No_b	Pulse to indicate that the user would like to cancel system shutdown. This will return the user to the previously selected main page.
WarmUp-Cooldown_Page_Held_[xx]	If any of these [xx] inputs are held high, the panel will remain on a warming/cooling page. When cleared, it will return to the previously selected main page.
Clear_Subpages	Pulse to clear the selected subpage.
Source[x]_Sel_[y]	Pulse to select a subpage.
R_U_Sure_Sel_[xx]	Pulse to select the system power off confirmation subpage.
R_U_Sure_Sel_Yes_b	Pulse to close the system power off confirmation page and return to the previously selected subpage.
R_U_Sure_Sel_No_b	Pulse to close the system power off confirmation page and return to the previously selected subpage.

WarmUp-Cooldown_Subpage_Held_[xx]	When held high, the remain on a warming/cooling subpage. When cleared, it will return to the previously selected subpage.
Clear_Popup_Pages	Pulse to clear all popup windows.
Popup_Page[x]_Sel_[y]	Pulse to bring up the selected popup window.
WarmUp-Cooldown_Popup_Page_Held_[xx]	When held high, this will bring up a warming/cooling popup. When cleared, it will close the popup and restore the previously selected popups.

Outputs:

Main_Page_[xx]_fb	This output will remain high when [xx] was the last selected main page. All main pages are interlocked.
Main_Advanced_Page_fb	This output will remain high after the advanced page has been selected, for as long as the inactivity timeout hasn't finished. After clearing, it will return the user to the previously selected main page.
Main_R_U_Sure_Page_fb	This output will remain high after the RU Sure main page has been selected, until the user selects either yes or no. After clearing, it will return the user to the previously selected main page.
WarmUp-Cooldown_Page_fb	This output will remain high for as long as the warmup/cooldown inputs remain high. It will then return to the previously selected main page.
Sub-Source[xx]_fb	This output will remain high when [xx] was the last selected subpage, until another subpage is selected, or the clear subpages input is pulsed.
Warmup-Cooldown_Subpage_fb	This output will remain high for as long as the warmup/cooldown inputs remain high. It will then return to the previously selected sub page.
Popup_Page[xx]_fb	This output will remain high when [xx] was the last selected popup, until another popup is selected, or the clear popups input is pulsed.
Warmup-Cooldown_Popup_Page_fb	This output will remain high for as long as the warmup/cooldown inputs remain high. It will then return to any previously selected popup page.

Parameters:

Page-Delay_Time	The delay in seconds when switching between subpages.
Advanced-Timeout_Time	The grace period after there have been no button presses on the advanced page before it times out and returns to the previous main page.