SIMPLWINDOWS NAME:	Folsom Research PresentationPro
CATEGORY:	Switcher
VERSION:	1.0
SUMMARY:	Controls Source Selection/Fade Time/Fade Effect/Main Volume
GENERAL NOTES:	This module will control all of the basic functions on a Folsom Research PresentationPro Seamless Switcher. The following controls are provided:

1. Source selection - Select any of the 8 available sources
2. Transition Type - Allows selection of which transition type to use
3. Transition Time - Allows the time of the transition to be adjusted from 0-5 seconds
4. Main volume control - Allows up/down/mute control of the main channel
5. Mic Gain - Allows mic gain to be set to high or low

In addition, true feedback is provided. When the Poll input is pulsed, the system will be polled for the current state of all controlled parameters. Typically, polling should only be needed upon startup of the system.

NOTE: When a new source is selected, the Transition_In_Progress output will be high while the unit is transitioning to the new source. You will not be able to perform any other functions on the system until the transition has been completed.

CRESTRON HARDWARE REQUIRED:	CNMSX CNXCOM ST-COM C2-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate -38400 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE NUMBER:	CNSP-143

CONTROL:

Input_*	D	Pulse to select one of the 8 available inputs
Transition_Mode_*	D	Pulse to specify the type of transition to use
Transition_Time_Up/Down	D	Press and hold to ramp the transition time up/down
Transition_Time_Set	A	Can be used to discretely set the transition time to a fixed value. Use an external Analog Initialize symbol to specify the time. The value should be set between 0d (0.0 seconds) and 50d (5.0 seconds)
Main_Volume_*	D	Used to ramp the main volume channel up/down or mute
Mic_Gain_High/Low	D	Used to set the Mic gain to high or low level

Poll	D	Pulse to poll all controlled parameters of the unit. Should only be needed upon startup of the system
From_Device$	S	Serial signal to be routed to a 2-way RS232 port

FEEDBACK:

Input_*_Fb	D	Indicates the current input selected
Transition_In_Progress	D	High while a transition to a new source is in progress
Transition_Mode_*_Fb	D	Indicates the current transition mode selected
Transition_Time_Fb	A	Indicates the currently set transition time. Will be a value between 0d (0.0 sce) and 50d (5.0 seconds). Can be routed to a Digital Gauge object on a touch panel
Main_Volume_Level	D	Indicates the current level of the main volume channel. Can be routed to a bargraph object on a touch panel
Main_Volume_Mute_*_Fb	D	Indicates if the main volume channel is muted
Mic_Gain_*_Fb	D	Indicates the current setting of Mic gain
Poll_Busy	D	High while polling is in progress
To_Device$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	v2.004.cuz, 5.12.26x.upz
COMPILER USED FOR TESTING:	SimplWindows Ver 2.02.11
SAMPLE PROGRAM:	Folsom Research PresentationPro Demo
REVISION HISTORY:	None