SIMPLWINDOWS NAME:	Polycom VS4000+FX v415 Video Address Book
CATEGORY:	Codec
VERSION:	1.0
SUMMARY:	Allows video calls to be placed using the Polycom Addressbook
GENERAL NOTES:	This module is for control of the Polycom VS4000 and ViewStation FX models only.It will work with Polycom Software version 4.15 FX only. Other releases of Polycom software may cause some functions to stop working.

You can communicate with these systems over RS232 or over TCP/IP. If using TCP/IP, follow the instructions below:

You must open up a Telnet session with the Polycom system. Therefore, you must have a CNXENET+ card installed in your control system to enable communications.

When programming the system in SimplWindows, you should insert a TCP/IP Client object into the ethernet portion of the control system, in the configuration manager. In the program view, use 24D for the PORT parameter field. When it is desired to establish the Telnet session with the Polycom system, assert the CONNECT input on the TCP/IP Client. When the session has been sucessfully established, the CONNECT-F output will go high. It will then be possible to send commands to the Polycom system. When it is desired to end the Telnet session, de-assert the CONNECT input, and the connection will be dropped.

Commands should only be sent to the TCP/IP Client TX$ input when the connection is active. Therefore, you should connect the output of this module to the input of a Serial Buffer symbol, which is enabled by the CONNECT-F output of the TCP/IP Client. The output of the Serial Buffer should be connected to the TX$ input of the TCP/IP Client. See the demo program for an example of this implementation.

Note that before resetting the Crestron system (as happens when you load a new program, power cycle the system , etc), you should end the Telnet session with the Polycom system. If the session is active when the Crestron system resets, the session will not be closed properly, and the Polycom system may need to be rebooted to recover properly.

This module allows the Polycom internal address book to be accessed and displayed on the Crestron touch panel. You can specify how many entries are displayed per page using the Entries Per Screen paramater. This must be a number between 1d and 25d. You can move between pages using the First/Previous/Next/Last_Page inputs. When you select an entry using the Select_* input, the name, call speed, and number associated with that entry will be provided at the Name_Selected$, Speed_Selected$ and Number_Selected$ outputs. When you pulse Dial, the last entry selected will be dialed.

This module also allows you to limit the number of characters that will be displayed for the site name, call speed, and number. Use the corresponding paramater fields to set up these values. This will allow you to prevent sending too much text to an indirect text field

on a touch panel.

Note that for this module to work correctly, you must have first used the Polycom Initialization module.

This module also provides some limited call status messages at the STATUS$ output.

CRESTRON HARDWARE:	CNXENET+, CNMSX, CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	**For TCP/IP:** Install a TCP/IP Client Use port 23D Be sure to set up the IP table to specify the IP address of the Polycom system for the IP ID of the TCP/IP Client. You must do a cold reboot of the control system after changing these parameters. **For RS232:** Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	Release 4.15 FX
VENDOR SETUP:	None
CABLE DIAGRAM:	For VS4000 - CNSP-123 For ViewStation FX - T.B.D.

CONTROL:

First_Page	D	Causes the first page of the addressbook to be displayed
Previous_Page	D	Causes the previous page to be displayed
Next_Page	D	Causes the next page to be displayed
Last_Page	D	Causes the last page to be displayed
Select_*	D	Pulse to select an entry.
Dial	D	Pulse to dial the last entry selected
From_Device$	S	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

Current_Page	A	Indicates which page of the addressbook is being displayed
Total_Pages	A	Indicates the total number of pages in the addressbook
Name_*$	S	Contains the names of the sites for the current page
Name_Selected$	S	Contains the name associated with the last entry selected
Speed_Selected$	S	Contains the call speed associated with the last entry selected
Number_Selected$	S	Contains the number associated with the last entry selected
Status$	S	Contains call status messages
To_Device$	S	Serial signal to be routed to a 2-way RS232

port

.UPZ FILE USED FOR TESTING:	5.12.57x.upz, v2.004.cuz
COMPILER USED FOR TESTING:	SimplWindows Ver 2.02.11
SAMPLE PROGRAM:	Polycom VS4000+FX v415 Demo Program
REVISION HISTORY:	v415 - Changed Dial command to no longer truncate the site name