SIMPLWINDOWS NAME:	Polycom ViewStation v65 Video Switching
CATEGORY:	Codec
VERSION:	1.0
SUMMARY:	Provides source selection for transmitted and received video
GENERAL NOTES:	This module is for control of any Polycom ViewStation systems except for the VS4000 and ViewStation FX. It will work with Polycom Software version 6.5 only. Future releases of Polycom software my cause some functions to stop working. The only method available for communications with these systems is over TCP/IP, opening 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 successfully 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 will allow any of the three available near end sources to be sent to the far end, and it will allow any of the five available far end sources to be received. Since the Polycom system does not provide true feedback for which near or far end source is active, this module provides feedback indicating which near or far end source was last activated on the module.
CRESTRON HARDWARE:	CNXENET+
SETUP OF CRESTRON HARDWARE:	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.
VENDOR FIRMWARE:	Release 6.0.1 - 30 Aug 2000

VENDOR SETUP:	None
CABLE DIAGRAM:	None

CONTROL:

NEAR-MAIN-CAM	D	Pulse to select the main camera
NEAR-DOC-CAM	D	Pulse to select the document camera input
NEAR-VCR	D	Pulse to select the VCR input
FAR-CAM-*	D	Pulse to select any of up to five available far end sources

FEEDBACK:

NEAR-MAIN-CAM-FB	D	Indicates that the main camera was the last near end source selected on this module
NEAR-DOC-CAM-FB	D	Indicates that the document camera was the last near end source selected on this module
NEAR-VCR-FB	D	Indicates that the VCR was the last near end source selected on this module
FAR-CAM-*-FB	D	Indicates the last far end source selected on this module
POLYCOM-TX$	S	Serial signal to be routed to the Polycom system

.UPZ FILE USED FOR TESTING:	5.12.01x.upz
COMPILER USED FOR TESTING:	SimplWindows Version 1.51.08
SAMPLE PROGRAM:	Polycom ViewStation v60 Demo Program
REVISION HISTORY:	None