SIMPLWINDOWS NAME:	Gentner AP400 2-way Matrix Routing (feedback)	
CATEGORY:	Conferencing	
VERSION:	1.0	
SUMMARY:	Controls matrix routing with feedback	
GENERAL NOTES:	The AP400 operates on a Gentner G-Link bus. Multiple AP units could be placed on the same bus. Each different device on the bus will have a unique unit ID. The module requires a unit ID as the first input. The unit ID has to be the HEX representation of the Unit ID. For example, for a unit ID of 0, the correct input on the module would be 30H. For a unit ID of 1, the correct input on the module would be 31H.	

The module operates as follows:

1. Choose the source to be routed. The AP400 will be polled, and the current routing for that input will be displayed.
2. Toggle the destinations on and off until the correct destinations are chosen for the source
3. Press SWITCH. The connections will be made

CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM	
SETUP OF CRESTRON HARDWARE:	Tested and verified at the following settings:	

Baud Rate -38400
Parity - None
Data Bits - 8
Stop Bits - 1

RTS and CTS enabled

VENDOR FIRMWARE:	Version 2.00	
VENDOR SETUP:	The AP400 serial port settings can be changed. Correct operation was verified when the following RS232 settings were used:	

Baud Rate - 38400
Enable Modem - Off
Flow control - On

CABLE NUMBER:	CNSP-141	

CONTROL:

UNIT-ID-HEX	P	Hex version of AP400's unit ID. For ID 0, use 30H. For ID 1, use 31H
IN-*	D	A separate input for each possible input on the AP400. Whenever an input is chosen, it's current routing status will be displayed on the output-fb signals
OUT-*	D	A separate input for each possible output on the AP400. These are toggle action buttons allowing each output to be toggled on and off until the desired routing configuration is displayed
SWITCH	D	When pulsed , this input will route the selected input to all outputs currently high. It

		will remove the selected input from any outputs that are not high
AP400-RX\$	S	Serial data string to be routed from a COM port

FEEDBACK:

IN-*-FB	D	Feedback for input buttons indicating which input is currently being routed
OUT-*-FB	D	Feedback for each output showing which outputs currently have a source routed to them.
AP400-TX\$	S	Serial data string to be routed to a COM port

.UPZ FILE USED FOR TESTING:	50405x.upz
COMPILER USED FOR TESTING:	SimplWindows Version 1.22
SAMPLE PROGRAM:	GAP4TST1
REVISION HISTORY:	AP40X2WA - Original