GENERAL INFORMATION

SIMPLWINDOWS NAME:	Cisco One Button To Push v2.0
CATEGORY:	Video Conference
VERSION:	2.0
SUMMARY:	This module displays the list of meetings for the Cisco codec.
GENERAL NOTES:	This module displays the list of meetings scheduled for the Cisco codec. It should work with the Cisco C-series codecs as well as the SX80 codec. It also provides for a scheduled meeting to be joined. It can be used in conjunction with the control module for the codec or stand-alone. This module shows meetings for the current day only. This module was tested with an SX80 with ce8.0. It will also work with the SX80 using older TC7.xx. The module will also work with the C-Series codecs. This module is for use in 3-series or higher processors only.
CRESTRON HARDWARE REQUIRED:	C2I-COM, C2-COM-*, C2I-*ENET*
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	C90: TC7.1.4.908e4a9 SX80: ce8.0.0.b678974
VENDOR SETUP:	None
CABLE DIAGRAM:	For RS232: Crestron Cisco Pin: TX Pin: 3 Pin: RX Pin: 2 Pin: GND Pin: 5

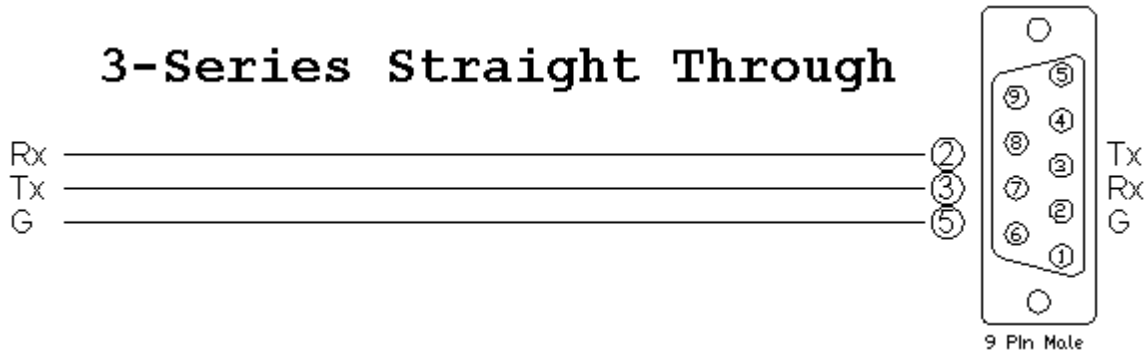**Partner: Cisco**
Model: One Button To Push
Device Type: Video Conference

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3-Series Straight Through

Rx ——————————— ② Tx
Tx ——————————— ③ Rx
G ——————————— ⑤ G

9 Pin Male

CONTROL:		
Get_Meetings	D	Pulse to download the current meeting list from the codec. This should be pulsed after midnight each day to download the current day's meetings. If a meeting is added this module will automatically download the meetings
Clear_Meetings	D	Pulse to clear the meetings in the local codec only. This will not delete the meetings from the TMS server; it will only delete the meeting list on the codec and on the Crestron.
Refresh_Meeting_List_Display	D	Pulse to display the meetings that have been downloaded from the Cisco codec.
Display_Times_In_12_Hour_Format	D	Hold high to display the meeting times in 12 hours format. Set low to display the meeting times in 24 hour format.
Select_Meeting	A	Analog input to select a meeting. Selecting a meeting will display details about that meeting. Selecting the same meeting a second time will deselect the meeting.
Clear_Selected_Meeting	D	Pulse to deselect the selected meeting.
Join_Meeting	D	Pulse to join the meeting being displayed on the Meeting_Can_Be_Joined_* outputs.
Extend_Meeting_Yes/No	D	Pulse to extend or not extend the meeting.
Hide_Extend_Meeting_Subpage	D	Pulse to hide the extend meeting subpage.
From_Cisco_Codec_Module	S	Serial signal to be routed from the To_One_Button_To_Push_Module output on the Cisco codec.

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FEEDBACK:

Get_Meetings_Is_Busy	D	High to indicate that the module is downloading the meetings list.
Meeting_List_Count	A	Analog value indicating the number of meetings in the list.
No_Meetings_Scheduled	D	High to indicate that there are no meetings scheduled.
Meeting_<1…50>_<Name/Description/Time/Date>	S	Serial signals indicating the name, description, time and date for each meeting.
Meeting_Is_Selected	D	High to indicate that a meeting is selected.
Selected_Meeting_End_Point_Count	A	Analog output indicating the number of end points to be displayed for the selected meeting.
Selected_Meeting_Is_Joinable	D	High to indicate that the selected meeting can be joined. This would typically be used to enable the join button on the selected meeting subpage.
Selected_Meeting_Is_In_Progress	D	High to indicate that the selected meeting is in progress. This would typically be used to show the meeting progress bar on the selected meeting subpage.
Selected_Meeting_<Name/Description>	S	Serial signals indicating the name and description of the selected meeting.
Selected_Meeting_Time	S	Serial signal indicating the selected meeting's time. This will be a combination of the start and end times until 10 minutes before the meeting. i.e. "2:30 PM – 3:00 PM". From 10 minutes before the meeting until the meeting start time this will display the time left before the meeting. i.e. "Starting in 10 minutes". At the start time this will display "Starting now". While the meeting is in progress this will display "In progress".
Selected_Meeting_<Start/End>_Time	S	Serial signals indicating the start and end times for the selecte meeting.
Selected_Meeting_<Organizer/WebEx_<URL/Number/Password/Host_Key>>	S	Serial signals indicating the organizer, WebEx URL, WebEx number, WebEx Password, and the WebEx host key for the selected meeting.
Selected_Meeting_End_Point_<1…10>_Number	S	Serial signal indicating the end point number(s) for the selected meeting to be dialed when the Join_Meeting input is pulsed.
Selected_Meeting_Details_Count	A	Analog signal indicating the number of lines to be displayed for the selected meeting's details.
Selected_Meeting_Details_<Data/Title>_XSIG	S	Serial signals to be routed to XSIG signals. These will indicate the title and data for each line in the selected meeting's details scrolling list.

Meeting_Can_Be_Joined	D	High to indicate that a meeting can be joined.
Meeting_Can_Be_Joined_End_Point_Count	A	Analog output indicating the number of end points to be displayed for the meeting that is ready to be joined.
Meeting_Can_Be_Joined_<Name/Description>	S	Serial signals indicating the name and description of the meeting that is ready to be joined.
Meeting_Can_Be_Joined_Time	S	Serial signal indicating the time for the meeting that can be joined. This will display the time left before the meeting. i.e. "Starting in 10 minutes". At the start time this will display "Starting now". While the meeting is in progress this will display "In progress".
Meeting_Can_Be_Joined_<Start/End>_Time	S	Serial signals indicating the start and end times for the meeting that is ready to be joined.
Meeting_Can_Be_Joined_<Organizer/WebEx_<URL/Number/Password/Host_Key>>	S	Serial signals indicating the organizer, WebEx URL, WebEx number, WebEx Password, and the WebEx host key for the meeting that is ready to be joined.
Meeting_Can_Be_Joined_End_Point_<1…10>_Number	S	Serial signal indicating the end point number(s) for the meeting that is ready to be joined to be dialed when the Join_Meeting input is pulsed.
Meeting_Can_Be_Joined _Details_Count	A	Analog signal indicating the number of lines of details to be displayed for the meeting that is ready to be joined.
Meeting_Can_Be_Joined_Details_<Data/Title>_XSIG	S	Serial signals to be routed to XSIG signals. These will indicate the title and data for each line to display in the scrolling list for the meeting that is ready to be joined.
Meeting_Can_Be_Joined_Is_In_Progress	D	High to indicate that the meeting that is ready to be joined is in progress. This would typically be used to show the meeting progress bar on the meeting that is ready to be joined subpage.
Current_Meeting_Progress_Bar	A	Analog value indicating the time into the meeting that is in progress. This is to be routed directly to a gauge on a touch panel.
Show_Extend_Meeting_Subpage	D	High to indicate that the extend meeting subpage should be shown.
Extend_Meeting_Body_Text	S	Serial signal with the text to be displayed in the body of the extend meeting subpage.
To_Device	S	Serial signal to be routed to the serial com port or to the TCP/IP client.

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TESTING:	
OPS USED FOR TESTING:	CP3: 1.011.0023
SIMPL WINDOWS USED FOR TESTING:	4.03.16
DEVICE DB USED FOR TESTING:	70.00.004.00
CRES DB USED FOR TESTING:	53.05.005.00
SYMBOL LIBRARY USED FOR TESTING:	973
SAMPLE PROGRAM:	Cisco SX80 v2.0

REVISION HISTORY:	v1.2 – Initial Release
	
	v1.3 – Updated Cisco C-Series module.
	
	v2.0 – Re-wrote the module in Simpl#. Fixed a couple of bugs.
	
	    1) Join meeting button not enabling at the correct time.
	    2) Join meeting button text is wrong at some times.