

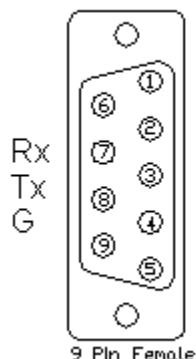
Partner: Epson**Model: Epson Projectors (ASCII Protocol)****Device Type: TV/Video Projector**

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Epson Projectors (ASCII Protocol) Basic Control
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	Control Epson Projectors utilizing the ASCII protocol
GENERAL NOTES:	<p>This module was tested with the PowerLite 8300 and PowerLite 6100i. It should control other Epson projectors that also utilize the Epson ASCII protocol.</p> <p>It allows control of power, input selections, and A/V mute functions. In addition, it will poll the projector for 1 minute after an input selection or picture mute command is sent. If it is desired to poll the projector beyond this one minute time, you can assert the Poll_Enable==1 input. Then the projector will be polled every 15 seconds as long as it is held high.</p> <p>This projector will provide feedback indicating if it is in the Basic on state. When Basic on, the Power_On_Fb will be high. When the projector is in any other state (such as off, warming up, or cooling down), the Power_Off_Fb output will be high.</p> <p>NOTE: The Initialize input needs to be pulsed to start communications. This should be done after a power loss, after a program reload, or when the RS232 cable to the projector gets disconnected and reconnected.</p>
CRESTRON HARDWARE REQUIRED:	CNCOMH-2, CNXCOM, ST-COM, C2COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124

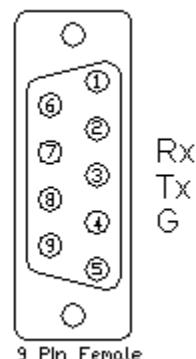
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Rear View of Connector



"Crestron"
②
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⑤

Rear View of Connector



"CNSP-124"
②
③
⑤

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CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the projector on or off.
Input_*	D	Pulse to select the desired input.
AV_Mute_On/Off/Toggle	D	Pulse to adjust the projector video and audio mute.
Poll_Enable==1	D	If held high, the projector will be polled every 15 seconds. If held low, the projector will be polled every 5 seconds only after an input select or an AV mute press.
Initialize	D	Pulse to start communications with the projector. See note in Poll_Enable==1.
Closed_Caption_Off	D	Pulse to turn closed captioning off
Closed_Caption_CC1	D	Pulse to select CC1 closed captioning
Closed_Caption_CC2	D	Pulse to select CC2 closed captioning
Closed_Caption_CC3	D	Pulse to select CC3 closed captioning
Closed_Caption_CC4	D	Pulse to select CC4 closed captioning
From_Device\$	S	Serial signal to be routed from a 2-way RS232 port.

FEEDBACK:

Power_On/Off_Fb	D	High to indicate the state of the power.
Input_*_Fb	D	High to indicate the current source.
Lamp_Hours	A	Analog signal representing the lamp hours. To be displayed on a digital gauge.
Closed_Caption_Off_Fb	D	High to indicate closed captioning off
Closed_Caption_CC1_Fb	D	High to indicate CC1 closed captioning
Closed_Caption_CC2_Fb	D	High to indicate CC2 closed captioning
Closed_Caption_CC3_Fb	D	High to indicate CC3 closed captioning

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Closed_Caption_CC4_Fb	D	High to indicate CC4 closed captioning
To_Device\$	S	Serial signal to be routed to a 2 way RS232 port.

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng {v3.137 (Release)}
SIMPL WINDOWS USED FOR TESTING:	V. 2.06
CRES DB USED FOR TESTING:	V. 17.7.0
SYMBOL LIBRARY USED FOR TESTING:	V. 372
SAMPLE PROGRAM:	Epson Projectors (ASCII Protocol) Demo PRO2.smw Epson Projectors (ASCII Protocol) Demo CNMSX.smw
REVISION HISTORY:	V. 1.0