

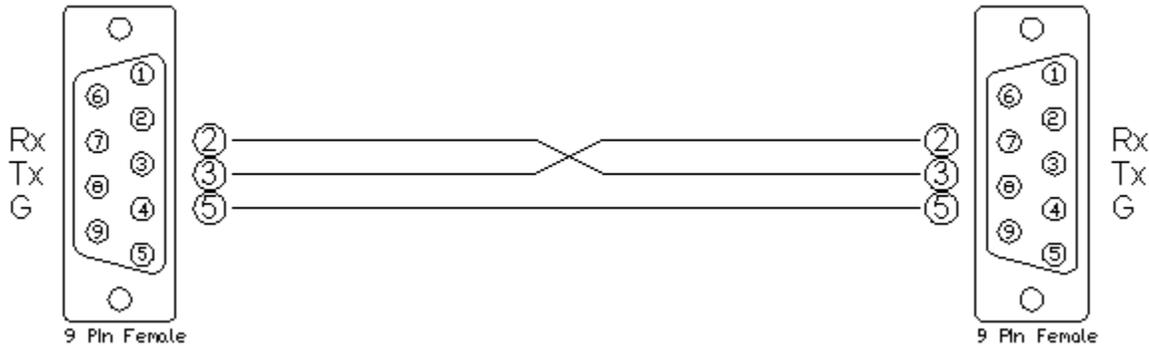
**Partner:** Epson  
**Model:** PowerLite 830p + 835p  
**Device Type:** LCD Projector



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Epson PowerLite 830p + 835p Projector.umc
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control Power, Source Select, Picture mute, Aspect Ratio, Freeze, Brightness, Contrast, Color, Tint, Sharpness, Volume and display elapsed Lamp Hour usage.
<b>GENERAL NOTES:</b>	<p>This module will control the Epson PowerLite 830p and 835p Projectors. True feedback is provided for power, input sources, picture mute, freeze, aspect ratio and picture settings. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module.</p> <p>If it is desired to poll the projector for power state, you can assert the Poll_Enable input. When this input is high, the projector will be polled every 15 seconds to determine the state of power. If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input. When this input is high, the projector will be polled every 45 seconds to determine the state of input source, picture mute, freeze, aspect ratio, brightness, contrast, sharpness, color, tint, volume and elapsed lamp hours. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p><b>NOTE:</b> This module depends on feedback from the device. You cannot comment out the FROM_DEVICE\$ serial input. This serial signal must be used for proper module operation.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2-COM, ST-COM, CNMSX Internal Com Ports
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	NONE
<b>CABLE DIAGRAM:</b>	CNSP-124

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### CONTROL:

<b>Power_&lt;State&gt;</b>	D	Pulse to change device's power state
<b>Input_&lt;Source&gt;</b>	D	Pulse to change device's input source
<b>Picture_Mute_&lt;State&gt;</b>	D	Pulse to enable/disable picture mute
<b>Freeze_&lt;State&gt;</b>	D	Pulse to enable/disable picture freeze
<b>Aspect_&lt;State&gt;</b>	D	Pulse to select desired aspect ratio
<b>*_Up/Down</b>	D	Assert to increase/decrease device's current picture/volume level
<b>Poll_Enable</b>	D	When high, device is polled every 15 seconds for power status
<b>Poll_Settings</b>	D	When high, device is polled every 45 seconds for general/picture settings
<b>From_Device\$</b>	S	Serial signal from a 2-way com port

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**FEEDBACK:**

<b>Power_*_FB</b>	D	True feedback indicating device's current power status
<b>Input_*_FB</b>	D	True feedback indicating device's current input source
<b>Picture_Mute_*_FB</b>	D	True feedback indicating device's current picture mute status
<b>Freeze_*_FB</b>	D	True feedback indicating device's current picture freeze status
<b>Aspect_*_FB</b>	D	True feedback indicating device's current picture aspect ratio
<b>*_Bar</b>	A	Analog value of device's current picture/volume level to be sent to a bar graph
<b>Lamp_Hours</b>	D	Decimal value of device's current elapsed lamp hour usage
<b>To_Device\$</b>	S	Serial signal to be sent to a 2-way Com Port

**TESTING:**

<b>OPS USED FOR TESTING:</b>	[3.117 (Build =2345)]
<b>COMPILER USED FOR TESTING:</b>	2.00.31
<b>SAMPLE PROGRAM:</b>	Epson PowerLite 830p + 835p Projector Demo Pro2
<b>REVISION HISTORY:</b>	v1.0