Partner: Epson
Model: Epson PowerLite Pro Z8450WU
Device Type: TV/Video Projector
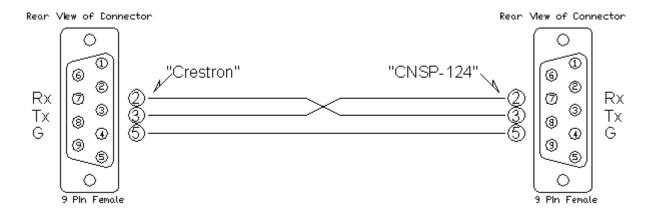
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Epson PowerLite Pro Z8450WU v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the PowerLite Pro Z8450WU. Functions include Power, Source Select, A/V mute, Aspect Ratio, Freeze, Brightness, Contrast, Color, Tint, Sharpness and display elapsed Lamp Hour usage. This module was tested with the PowerLite Pro Z8450WU. Epson uses the same protocol On most of their projectors. This module should also work on the following models: - PowerLite Pro Z8450WU - EB-Z8450WU - EB-Z9750WU - EB-Z8455WU - EB-B1575WU - PowerLite Pro Z8455WU - EB-Z8350W - EB-Z9850W - PowerLite Pro Z8350W - EB-Z8355W - EB-B1585W - PowerLite Pro Z8355W - EB-Z10000 - EB-Z9800 - PowerLite Pro Z8250 - EB-Z10005 - EB-B1500 - PowerLite Pro Z8255 - EB-Z8150 - EB-Z9800 - PowerLite Pro Z8150
GENERAL NOTES:	This module will control the Epson PowerLite Pro Z8450WU Projector. True feedback is provided for power, input sources, a/v mute, freeze, aspect ratio, color mode 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. 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, color mode, 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.

	NOTE: This module depends on feedback from the device. You cannot comment out the From_Device. This module is System Builder compatible. Please note that it is essential to enable polling in order for the module to give accurate feedback.
CRESTRON HARDWARE REQUIRED:	CNXCOM-6, CNXCOM-2, ST-COM, C2I-COM6, C2COM-2/3, 2 series control system
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

CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the projector on or off.
Input_*	D	Pulse to select the desired input. Note: Not all inputs are available on all models.
AV_Mute_On/Off/Toggle	D	Pulse to adjust the projector video mute.
Freeze_<On/Off/Toggle>	D	Pulse to turn freeze function on or off.
Aspect_*	D	Pulse to select desired aspect ratio. Note: Not all aspect ratios are available on all models.
Color_Mode_*	D	Pulse to select desired color mode.

Contrast_Up/Down	D	Press and hold to adjust the contrast.
Brightness_Up/Down	D	Press and hold to adjust the brightness.
Color_Up/Down	D	Press and hold to adjust the color.
Tint_Up/Down	D	Press and hold to adjust the tint.
Sharpness_Up/Down	D	Press and hold to adjust the sharpness.
Auto_Sync	D	Pulse to trigger the auto sync function.
Poll_Enable	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.
Poll settings	D	Latch high to enable polling for remaining settings.
From_Device	S	Serial signal to be routed from a 2-way RS232 port.

FEEDBACK:

Power_is_On/Off	D	High to indicate the state of the power.
Input_is_*	D	High to indicate the current source.
AV_Mute_is_On/Off	D	High to indicate the current av mute state.
Freeze_Is_<On/Off>	D	True feedback indicating current freeze status
Aspect_Is_*	D	True feedback indicating current aspect ratio.
Color_Mode_Is_*	D	True feedback indicating current color mode setting.
Contrast_Gauge	A	Analog value indicating current contrast level. For gauge on touchpanel
Brightness_Gauge	A	Analog value indicating current brightness level. For gauge on touchpanel.
Color_Gauge	A	Analog value indicating current color level. For gauge on touchpanel.
Tint_Gauge	A	Analog value indicating current tint level. For gauge on touchpanel.
Sharpness_Gauge	A	Analog value indicating current sharpness level. For gauge on touchpanel.
Lamp_Hours	A	Analog value indicating current lamp hours. For digital gauge on touchpanel.
To_Device	S	Serial data signal to be routed to a 2 way com port.

TESTING:

OPS USED FOR TESTING:	MC3 v1.003.008; 2-Series 4.007.0004
SIMPL WINDOWS USED FOR TESTING:	3.11.06
CRES DB USED FOR TESTING:	31.05.009.00
DEVICE DB USED FOR TESTING:	43.00.003.00
SAMPLE PROGRAM:	Epson PowerLite Pro Z8450WU v1.0 Demo MC3
REVISION HISTORY:	V. 1.0

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