

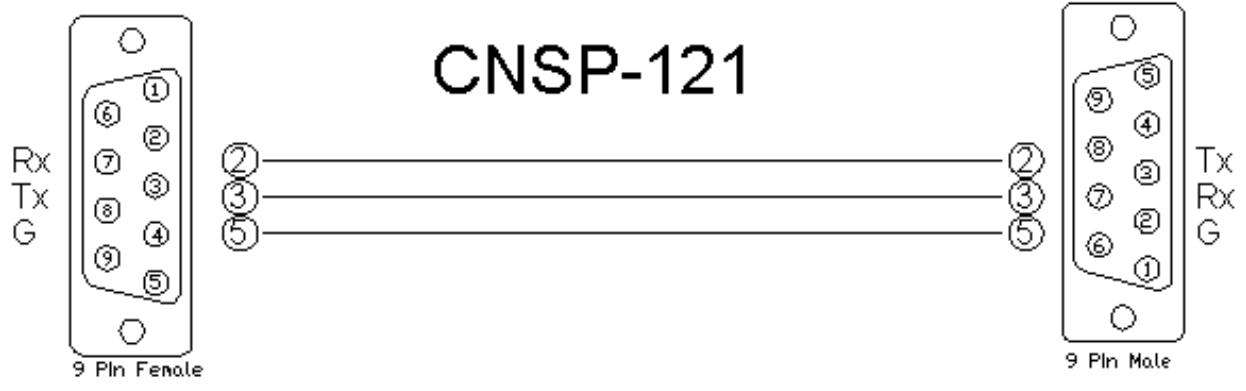
Partner: ProjectionDesign
Model: Universal Module
Device Type: LCD Projector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	ProjectionDesign Universal Module
CATEGORY:	Display
VERSION:	1
SUMMARY:	Controls Power, Source Select, Picture Mute, Auto Sync, Aspect Ratio, Contrast, Brightness, Elapsed Lamp Hours.
GENERAL NOTES:	<p>This module will control the F3 (and other F series) projectors. True feedback is provided for Power, source selection and elapsed lamp hours. When the appropriate 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. Picture settings will only be updated when the appropriate input is selected.</p> <p>Note: Due to limitations in the Vendor's firmware, contrast and brightness adjustment response time will be slower than using the handheld IR remote.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM6, C2NCOM-2/3, CNX-COM6, CNX-COM2, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-121

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CONTROL:

Power_On/Off/Toggle	D	Pulse to turn unit on and off
Input_*	D	Pulse to select inputs
Picture_Mute/On/Off/Toggle	D	Pulse to select picture on/off/toggle state
Aspect_*	D	Pulse to select aspect
Contrast_*	D	Pulse to select contrast
Brightness_*	D	Pulse to select brightness
Auto_Sync	D	Pulse to select auto sync
Poll_Enable	D	When high, the unit will be polled for it's general settings every 15 seconds
Poll_Settings	D	When high, the unit will be polled for it's general settings every 45 seconds
Horizontal_Keystone+/-	D	Pulse to select Hor. Keystone
Vertical_Keystone+/-	D	Pulse to select Ver. Keystone
Horizontal_Position+/-	D	Pulse to select Hor. Position
Vertical_Position+/-	D	Pulse to select Ver. Position
Picture_Freeze_On/Off/Toggle	D	Pulse to select picture freeze state
IR_Front_Sensor_On/Off	D	Pulse to enable/inhibit IR sensing at projector
Zoom_+/-_Fast	D	Pulse to zoom in/out
Focus_+/-_Fast	D	Pulse to focus in/out
Lamp_Mode_Single	D	Pulse for single lamp on
Lamp_Mode_Dual	D	Pulse for dual lamps on
From_Device\$	S	Serial signal to be routed from a 2-way serial com port

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FEEDBACK:

Power_On/Off_Fb	D	Digital feedback indicating power state
Input*_Fb	D	Digital feedback indicating input state
Picture_Mute_On/Off_Fb	D	Digital feedback indicating picture mute state
Contrast_Bar	A	Analog value representing contrast to be directed to a bar gauge on the panel
Brightness_Bar	A	Analog value representing brightness to be directed to a bar gauge on the panel
Lamp_1_Hours	A	Analog value representing lamp1 hours to be directed to a digital gauge on the panel
Lamp_2_Hours	A	Analog value representing lamp2 hours to be directed to a digital gauge on the panel
Unit_On_Hours	A	Analog value representing unit hours to be directed to a digital gauge on the panel
Lamp_1/2_<condition>_Fb	D	Digital feedback indicating Lamp 1 or Lamp 2 condition
Picture_Freeze_On/Off_Fb	D	Digital feedback indicating picture freeze state
IR_Front_Sensor_On/Off_Fb	D	Digital feedback indicating IR front sensor inhibited state
To_Device\$	S	Serial signal to be routed to a 2-way serial com port

TESTING:

OPS USED FOR TESTING:	v. 3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.38
CRES DB USED FOR TESTING:	18.7.8
SYMBOL LIBRARY USED FOR TESTING:	472
SAMPLE PROGRAM:	ProjectionDesign Universal Module Demo Pro2.smw
REVISION HISTORY:	V. 1.0 – Original release.