

SIMPLWINDOWS NAME: Proxima DP9240+DP9260 Video Projector

CATEGORY: Projector

VERSION: 1.0

SUMMARY: Control all available functions and provide feedback for power status, source status, and lamp time

GENERAL NOTES: This module will control all available functions on a Proxima DP9240 or DP9260 video projector. It will also poll the projector for power status, source status, and elapsed lamp hours.

It allows control of power, input selections, audio and video mute, and menu functions. In addition, it will poll the projector for 2 minutes after any command is sent, for the status of power, input, and lamp hours. If it is desired to poll the projector beyond these two minutes, you can assert the POLL-ENABLE input. Then the projector will be polled continuously.

The projector provides feedback of not just power on/standby but also warm up, cool down, and fault conditions. These STATE-* outputs of the module could be routed to legend buttons to display the actual state of the projector.

The POWER-ON-FB output will be high when the projector reports power is fully on, and will be flashing when the projector is in the warm up state. The POWER-OFF-FB output will be high when the projector reports power is off, and will be flashing when it is in the cool down state. If a source is selected while the projector is in the warm up state, the appropriate source command will be automatically sent to the projector when power is fully on. This way sources can be requested before the projector has fully warmed up. Note that all digital inputs to this module (except for POLL-ENABLE) should be momentary, as if coming from a touchpanel button press.

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 19200
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: You must use the PC control 2 port on the projector.

CABLE DIAGRAM:

Crestron	to	Proxima
9 pin D	to	8 pin Mini
2	to	6
3	to	1
5	to	7

CABLE NUMBER: T.B.D.

CONTROL:

POWER-ON D Pulse to turn the projector on. Feedback will be reflected at the POWER-ON-FB output

POWER-OFF D Pulse to turn the projector off. Feedback will be reflected at the POWER-OFF-FB output

SOURCE-*	D	Pulse to select the desired input. If the projector is powering on when pulsed, the command will be processed when the projector has finished powering on
ALL REMAINING FUNCTIONS	D	Pulse to activate all standard projector functions
POLL-ENABLE	D	If held high, the projector will be polled continuously for power, input, and lamp time. If held low, the projector will only be polled for 2 minutes after any command
PROXIMA-RX\$	S	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

POWER-ON-FB	D	True feedback indicating that power is on. Will flash while the projector is warming up
POWER-OFF-FB	D	True feedback indicating that power is off. Will flash while the projector is cooling down
SOURCE-*-FB	D	True feedback indicating which source is currently active
STATE-*-FB	D	True feedback indicating the current power/standby/fault state of the projector. Should be routed to appropriate legend buttons or indicators on a touch panel
LAMP-TIME-FB	A	Analog signal representing the number of elapsed lamp hours. Can be a number from 0-9999. Should be routed to an analog gauge on a touchpanel
PROXIMA-TX\$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	5.10.11x
COMPILER USED FOR TESTING:	SimplWindows Version 1.40.07
SAMPLE PROGRAM:	Proxima DP9240+DP9260 Demo Program
REVISION HISTORY:	None