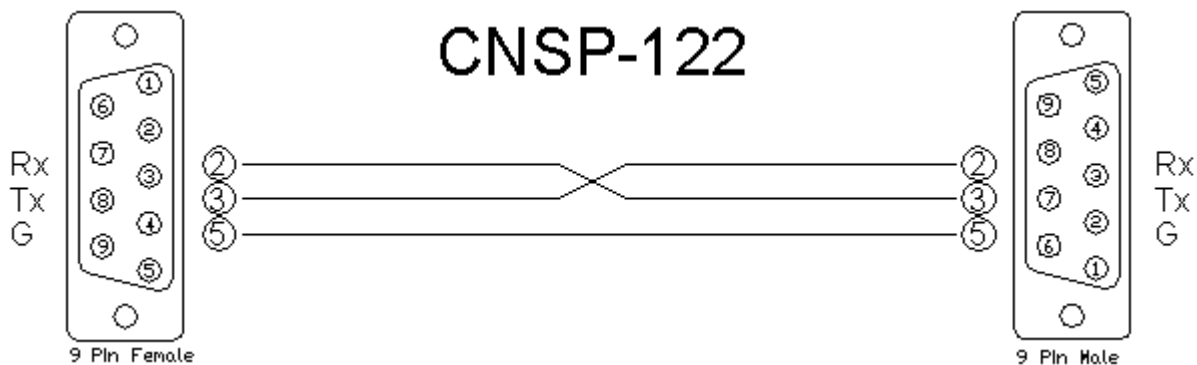


Partner: WolfVision
 Model: PSM-10
 Device Type: Document Camera



GENERAL INFORMATION

SIMPLWINDOWS NAME:	WolfVision PSM-10.umc
CATEGORY:	Document Camera
VERSION:	1.0
SUMMARY:	This module contains the RS-232 commands to interface with a WolfVision PSM-10.
GENERAL NOTES:	This module provides control of the Wolfvision PSM-10 document camera. It also provides true feedback.
CRESTRON HARDWARE REQUIRED:	Series-2 Processor and/or X-generation Processor and C21-COM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9,600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	1.03a
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-122



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CONTROL:

To_Device\$	S	The serial string sent to the unit
Power_On	D	Pulse for power on condition
Power_Off	D	Pulse for power off condition
Power_Toggle	D	Pulse for power toggle between on and off
Zoom_Tele	D	Pulse and hold for Zoom telephoto
Zoom_Wide	D	Pulse and hold for Zoom Wide
Zoom_Digital_On	D	Pulse for setting zoom digital on
Zoom_Digital_Off	D	Pulse for setting zoom digital off
Zoom_Digital_On_With_Stop	D	Pulse for setting zoom digital on with stop
Zoom_Digital_On_With_Message	D	Pulse for setting zoom digital off with a message
Auto_Foc_Continuous	D	Pulse for setting Auto Focus on
Auto_Focus_Off	D	Pulse for setting Auto Focus off
Auto_Focus_One_Push	D	Pulse for setting Auto Focus one push on for a quick focus
Focus_Near	D	Pulse for setting Focus Near
Focus_Far	D	Pulse for setting Focus Far
Iris_Open	D	Pulse and hold for setting Iris Open
Iris_Close	D	Pulse and hold for setting Iris Open
Auto_Gain_Control_On	D	Pulse for setting Auto Gain Control on
Auto_Gain_Control_Off	D	Pulse for setting Auto Gain Control off
Auto_Shutter_On	D	Pulse for setting Automatic Shutter on
Auto_Shutter_Off	D	Pulse for setting Automatic Shutter off

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PRESET_Recall_*	D	Pulse for recalling camera image to a preset
Preset_Recall_Power_On	D	Pulse for recalling camera to preset recall power on
PRESET_Store_*	D	Pulse for setting camera image to a preset
Preset_Store_Power_On	D	Pulse for setting camera to preset recall power on
Image_Positive	D	Pulse for setting Image positive
Image_Negative	D	Pulse for setting Image negative
Menu_*	D	Menu system for advanced features (enabled by pulsing Advanced button)
Iris_Auto_On	D	Pulse to set Auto Iris on
Iris_Auto_Off	D	Pulse to set Auto Iris off
White_Balance_One_Push	D	Pulse to set White Balance as in Remote Emulation
Freeze_Toggle	D	Pulse to set Image Freeze as in Remote Emulation
Memory_Recall_1	D	Pulse to recall Memory 1 as in Remote Emulation
Memory_Recall_2	D	Pulse to recall Memory 2 as in Remote Emulation
Memory_Recall_3	D	Pulse to recall Memory 3 as in Remote Emulation
Memory_Recall_4	D	Pulse to recall Memory 4 as in Remote Emulation
Live_Image	D	Pulse to recall Live Image vs. Frozen Image as in Remote Emulation
Basic_Mode	D	Pulse to view basic menu operation (Zoom, Iris, Focus and Power)
Advanced_Mode	D	Pulse to view advanced menu operation
Poll_Enable==1	D	Assert with a 1 to cause unit to be polled for real feedback every 1 second through multiple queries for unit status

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FEEDBACK:

From_Device\$	S	The serial return string from the unit
Power_On_Fb	D	Indicates status of power on condition
Power_Off_Fb	D	Indicates status of power off condition
Auto_Foc_Continuous_Fb	D	Indicates status of Auto Focus on condition
Auto_Focus_Off_Fb	D	Indicates status of Auto Focus off condition
Auto_Focus_One_Push_Fb	D	Indicates status Auto Focus one push on condition
Auto_Gain_Control_On_Fb	D	Indicates status of Auto Gain on
Auto_Gain_Control_Off_Fb	D	Indicates status of Auto Gain off
Auto_Shutter_On_Fb	D	Indicates status of Auto Shutter On
Auto_Shutter_Off_Fb	D	Indicates status of Auto Shutter Off
Menu_1_Fb	D	Indicates status of Menu_X
Iris_Auto_On_Fb	D	Indicates status of Auto Iris
Iris_Auto_Off_Fb	D	Indicates status of Auto Iris
Memory_Recall_1_Fb	D	Indicates recall Memory 1 as in Remote Emulation
Memory_Recall_2_Fb	D	Indicates recall Memory 2 as in Remote Emulation
Memory_Recall_3_Fb	D	Indicates recall Memory 3 as in Remote Emulation
Memory_Recall_4_Fb	D	Indicates recall Memory 4 as in Remote Emulation
Basic_Mode_Fb	D	Indicates status of Basic Menu system
Advanced_Mode_Fb	D	Indicates status of Advanced Menu system
Auto_Focus_One_Push_in_Progress	D	Indicates status of Auto focus one push in progress

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**TESTING:**

OPS USED FOR TESTING:	3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.26
CRES DB USED FOR TESTING:	18.6.2
SYMBOL LIBRARY USED FOR TESTING:	454
SAMPLE PROGRAM:	WolfVision PSM-10 Demo
REVISION HISTORY:	None