

**Partner: Orion**  
**Model: MIS-42xx**  
**Device Type: No Selection**



## GENERAL INFORMATION

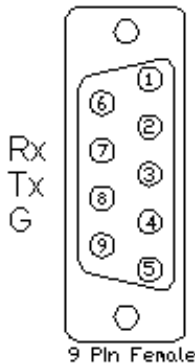
<b>SIMPLWINDOWS NAME:</b>	Orion MIS-42xx v1.0
<b>CATEGORY:</b>	Miscellaneous
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control up to 255 Orion MIS-42xx devices set up as a video wall.
<b>GENERAL NOTES:</b>	<p>The module allows a user to set up the total screen width and height of the entire wall. After that the user can select the location or ID of the upper left hand and lower right hand corners of a desired display area within the total wall.</p> <p>For example, if the total screen width and height were 3 x 3 (three screens wide by three screens high) there would be a total of 9 displays in a cube formation, with the panels ID'd from left to right, top to bottom. If the selected area within this wall were to be a 2 x 2 in the lower right corner, the upper left hand display location or ID of this area would be 5, while the lower right corner location or ID of this area would be 9.</p> <p>At this point, pulsing the Send_Screen_Commands signal will start the command sequence.</p> <p>This module is SystemBuilder compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM6, C2-COM2/3, CNXCOM-6, CNX-COM2, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 115200 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-121

**Partner: Orion**  
**Model: MIS-42xx**  
**Device Type: No Selection**

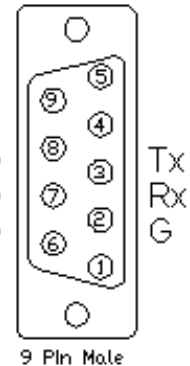


# CNSP-121

Rear View of Connector



Rear View of Connector



## CONTROL:

<b>Power_All_Screens_On/Off</b>	D	Pulse to turn all displays on and off.
<b>Input_*</b>	D	Pulse to select the desired input.
<b>Set_Total_Screen_Width/Height</b>	D	Pulse to enable setting a value for the total width or height of entire wall from the Configure_* signals below.
<b>Send_Selected_Input_To_Each_Screen</b>	D	Pulse to send the currently selected input to every individual screen.
<b>Total_Screen_Width/Height_In</b>	A	Can be used to set the total screen width and height values using just an analog init symbol.
<b>Configure_*</b>	D	Can be used to set the total screen width and height values using a keypad.
<b>Send_Configuration_Commands</b>	D	Pulse to send the configuration commands determined by setting the total screen width and height values to the displays in the video wall.
<b>Sel_Upper_Left_Screen_ID</b>	D	Pulse to enable setting the upper left screen ID of the desire area that will display the input selected.
<b>Sel_Lower_Right_Screen_ID</b>	D	Pulse to enable setting the lower right screen ID of the desire area that will display the input selected.
<b>Upper_Left_Screen_ID_In</b>	A	Can be used to set the upper left screen ID of the desire area that will display the input selected using an analog init symbol.
<b>Lower_Right_Screen_ID_In</b>	A	Can be used to set the lower right screen ID of the desire area that will display the input selected using an analog init symbol.

**Partner: Orion**  
**Model: MIS-42xx**  
**Device Type: No Selection**



Screen_ID_*	D	Can be used to set the upper left or lower right screen ID values using a keypad.
Send_Screen_Commands	D	Pulse to send the commands that will display the currently selected input to the display area determined by setting the upper left and lower right screen ID's.
Single_Screen_ID_*	D	Can be used to single screen ID for power control using a keypad.
Power_Single_Screen_On/Off	D	Pulse to turn the selected screen on or off.
Cancel_Sequence	D	Pulse to cancel any currently busy command sequence.

### FEEDBACK:

Input_*_Selected	D	Indicates with input is currently selected.
Set_Total_Screen_Width_Selected	D	Indicates that the total screen width is selected for setting.
Set_Total_Screen_Height_Selected	D	Indicates that the total screen height is selected for setting.
Total_Screen_Width	A	Analog value indicating the total screen width that this module is set to control
Total_Screen_Height	A	Analog value indicating the total screen height that this module is set to control
Sel_Upper_Left_Screen_ID_Selected	D	Indicates that the area's upper left screen ID is selected for setting.
Sel_Lower_Right_Screen_ID_Selected	D	Indicates that the area's lower right screen ID is selected for setting.
Upper_Left_Screen_ID	A	Analog value indicating the area's upper left screen ID setting.
Lower_Right_Screen_ID	A	Analog value indicating the area's lower right screen ID setting.
Screen_ID	A	Analog value indicating single screen ID for power control.
Busy	D	Indicates that a command sequence is currently running. No other commands may be sent while a sequence is running.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

**Partner: Orion**  
**Model: MIS-42xx**  
**Device Type: No Selection**

**TESTING:**

<b>OPS USED FOR TESTING:</b>	3.155_1240
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.10.32
<b>DEVICE DB USED FOR TESTING:</b>	20.02.009.00
<b>CRES DB USED FOR TESTING:</b>	20.00.015.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	570
<b>SAMPLE PROGRAM:</b>	Orion MIS-42xx v1.0 Demo PRO2
<b>REVISION HISTORY:</b>	v1.0