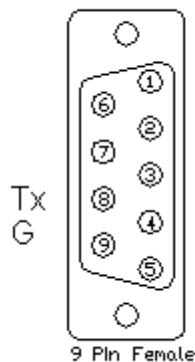


Partner: NuLED  
 Model: SD232  
 Device Type: RGB LED Lighting Controller

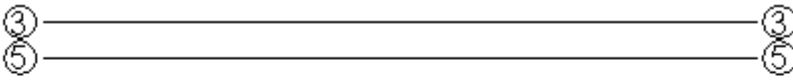
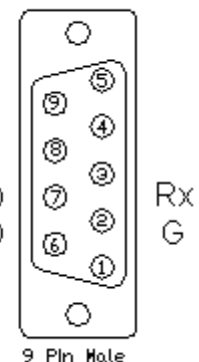


GENERAL INFORMATION	
<b>SIMPLWINDOWS NAME:</b>	nuLED SD232 Basic Serial v1.0.umc
<b>CATEGORY:</b>	Lighting
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Provides recall of factory presets and supports 6 user presets. Features individual color control, fade time, and master level control.
<b>GENERAL NOTES:</b>	SD232 Serial interface is one way. Feedback is not support by unit.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	Address A0-A15 set by dipswitch settings on SD232 Board. Interface boards set to A0 respond to all messages.
<b>CABLE DIAGRAM:</b>	Custom

Rear View of Connector



Rear View of Connector



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CONTROL:		
Off	D	Pulse to turn the Light off.
White	D	Pulse to recall factory preset.
Warm_White	D	Pulse to recall factory preset.
Ultra_Warm_White	D	Pulse to recall factory preset.
Ice_Cool_White	D	Pulse to recall factory preset.
Yellow	D	Pulse to recall factory preset.
Yellowish_Green	D	Pulse to recall factory preset.
Green	D	Pulse to recall factory preset.
Bluish_Green	D	Pulse to recall factory preset.
Cyan	D	Pulse to recall factory preset.
Greenish_Blue	D	Pulse to recall factory preset.
Blue	D	Pulse to recall factory preset.
Purple	D	Pulse to recall factory preset.
Fuscia	D	Pulse to recall factory preset.
Hot_Pink	D	Pulse to recall factory preset.
Red	D	Pulse to recall factory preset.
Orange	D	Pulse to recall factory preset.
User_Preset_1	D	Pulse to recall user preset. Hold for 5 sec to save preset.
User_Preset_2	D	Pulse to recall user preset. Hold for 5 sec to save preset.
User_Preset_3	D	Pulse to recall user preset. Hold for 5 sec to save preset.
User_Preset_4	D	Pulse to recall user preset. Hold for 5 sec to save preset.
User_Preset_5	D	Pulse to recall user preset. Hold for 5 sec to save preset.
Run_Loop_Mode	D	Pulse to run factory loop mode.

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Level_Red_Up	D	Raises the color drive level.
Level_Red_Dn	D	Lowers the color drive level.
Level_Green_Up	D	Raises the color drive level.
Level_Green_Dn	D	Lowers the color drive level.
Level_Blue_Up	D	Raises the color drive level.
Level_Blue_Dn	D	Lowers the color drive level.
Level_Dim_Up	D	Raises the master dim level.
Level_Dim_Dn	D	Lowers the master dim level.
Fade_Time_Up	D	Raises the fade time.
Fade_Time_Dn	D	Lowers the fade time.

## FEEDBACK:

User_Preset_Saved	D	Pulses high to indicate preset has been saved.
Red_Level	A	Output level of drive color. 0d-255d
Green_Level	A	Output level of drive color. 0d-255d
Blue_Level	A	Output level of drive color. 0d-255d
Dim_Level	A	Output level of the master dim level. 0d-255d
Fade_Time	A	Outputs the fade time. Level is tenths of a second in .5 increments. Example: 25d equals 2.5 seconds. Valid range: 0d-255d
To_Device	S	Serial data signal to be routed to a 1 or 2 way com port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	v4.003.0015
<b>SIMPL WINDOWS USED FOR TESTING:</b>	3.02.04
<b>DEVICE DB USED FOR TESTING:</b>	35.05.004.00
<b>CRES DB USED FOR TESTING:</b>	27.00.020.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	741
<b>SAMPLE PROGRAM:</b>	nuLED SD232 Serial v1.0 Demo PRO2.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release