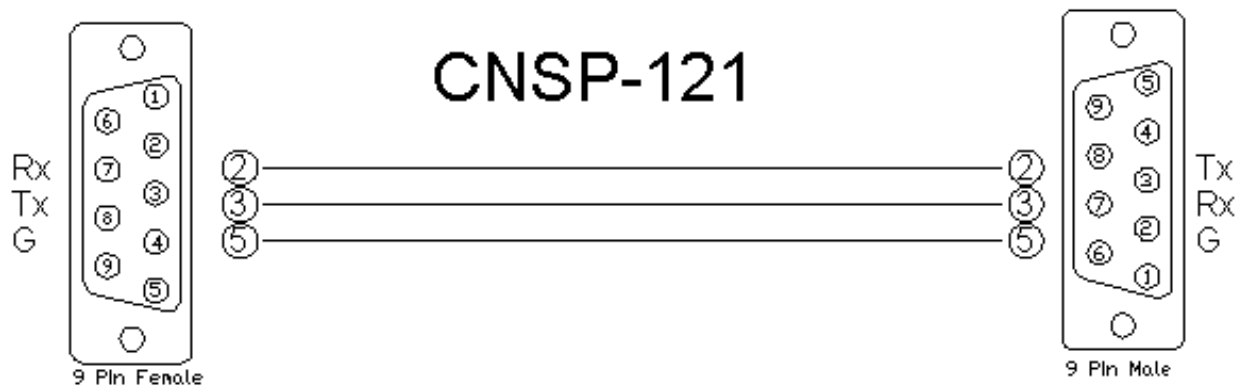


**Partner: Tripp Lite**  
**Model: SU Series**  
**Device Type: UPS**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	TrippLite SU Series UPS
<b>CATEGORY:</b>	Miscellaneous
<b>VERSION:</b>	v1.0
<b>SUMMARY:</b>	This module provides basic control and true feedback for the TrippLite SU Series of UPS units
<b>GENERAL NOTES:</b>	<p>This module provides control for up to three load banks on the unit. It also provides feedback for many Input, Output, and Battery parameters.</p> <p>The Poll_Enable input must have a high signal on it (1) for polling to occur. Polling will be done once every thirty seconds.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2COM, ST-COM, C2-COM2, C2COM-3
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 2400 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	None
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-121



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**CONTROL:**

Load_1/2/3_On	D	Pulse to turn the respective output load on
Load_1/2/3_Off	D	Pulse to turn the respective output load on
Poll_Enable	D	Hold high to enable polling. Polling will be done once every thirty seconds
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

**FEEDBACK:**

Load_1/2/3_On_Fb	D	True feedback indicating that the respective output load is on
Load_1/2/3_Off_Fb	D	True feedback indicating that the respective output load is off
Poll_Busy	D	High while polling is in progress
Battery_Condition\$	S	Indicates Good, Weak, or Charging
Battery_Status\$	S	Indicates OK, Low, or Depleted
Battery_Charge\$	S	Indicates Floating, Charging, Resting, or Discharging
Battery_Minutes_Remaining	A	Indicates how many minutes of battery power are remaining (when AC has failed)
Battery_Charge_Remaining	A	Indicates the percentage of battery charge remaining (when AC has failed)
Battery_Voltage	A	Indicates the battery voltage
Battery_Temperature	A	Indicates the battery temperature in degrees Celsius
Seconds_On_Battery	A	Indicates the number of seconds that the unit has been running on battery power (when AC has failed)
Rating_Input_Voltage	A	Indicates the rated input voltage of the UPS in Volts
Rating_Input_Frequency	A	Indicates the rated input frequency of the unit in tenths of Hertz
Rating_Output_Voltage	A	Indicates the rated output voltage of the UPS in Volts
Rating_Output_Frequency	A	Indicates the rated output frequency of the UPS in tenths of Hertz

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Rating_Battery_Voltage	A	Indicates the rated battery voltage in Volts
Low_Tx_Voltage_Point	A	Indicates the low voltage transfer point (the point at which the switch to battery power will occur) in Volts
High_Tx_Voltage_Point	A	Indicates the high voltage transfer point (the point at which the switch to battery power will occur) in Volts
Low_Tx_Voltage_Upper/Lower_Bound	A	Indicates the Lower and Upper bounds of the low voltage transfer point in Volts
High_Tx_Voltage_Upper/Lower_Bound	A	Indicates the Lower and Upper bounds of the high voltage transfer point in Volts
Rating_VA\$	S	Indicates the rated VA of the UPS
Rating_Output_Power\$	S	Indicates the rated output power of the unit in Watts
Input_Frequency_1-3	A	Indicates the actual input frequency of up to three inputs in tenths of Hertz
Input_Voltage_1-3	A	Indicates the actual input voltage of up to three inputs in tenths of Volts
Input_Current_1-3	A	Indicates the actual input current of up to three inputs in tenths of Amps
Input_Power_1-3	A	Indicates the actual input power of up to three inputs in Watts
Output_Frequency	A	Indicates the actual output frequency of the UPS in tenths of Hertz
Output_Voltage_1-3	A	Indicates the actual output voltage of up to three outputs in tenths of Volts
Output_Current_1-3	A	Indicates the actual output current of up to three outputs in tenths of Amps
Output_Power_1-3\$	S	Indicates the actual output voltage of up to three outputs in Watts
Output_Load_1-3	A	Indicates the actual output load of up to three outputs as a percentage
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2: 3.137
<b>COMPILER USED FOR TESTING:</b>	2.05.22
<b>SAMPLE PROGRAM:</b>	TrippLite SU Series Demo
<b>REVISION HISTORY:</b>	V. 1.0