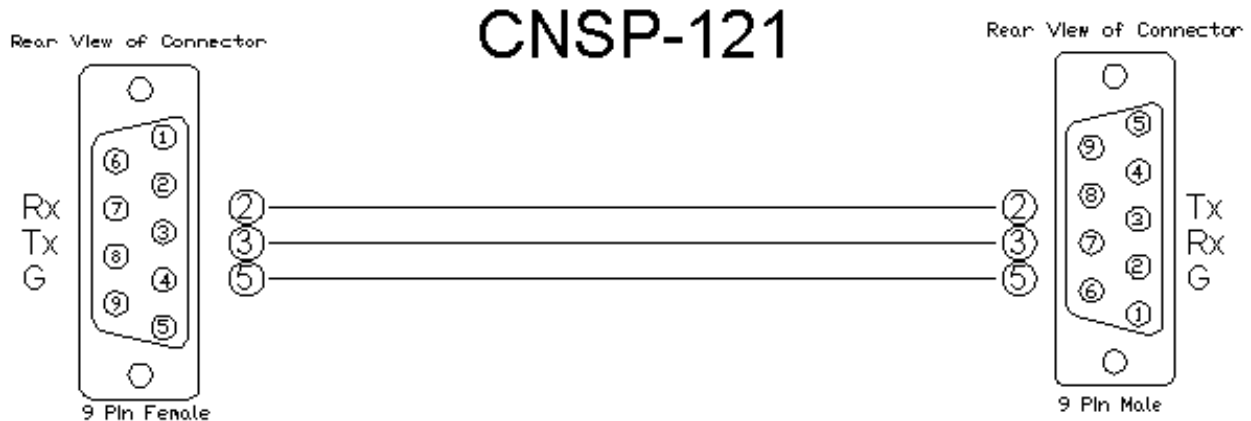


Partner: Middle Atlantic
Model: UPS-1000R
Device Type: AC Power Controller



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Middle Atlantic UPS-1000R v1.0
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	This module controls the Middle Atlantic UPS-1000R UPS via RS-232.
GENERAL NOTES:	This module will control the Middle Atlantic UPS-1000R UPS via RS-232 and also monitor all conditions available. This module is System Builder compatible.
CRESTRON HARDWARE REQUIRED:	X-Series Processor, CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 2400 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121



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CONTROL:

Standby_<On/Off>	D	Pulse to turn standby on or off.
Load_Bank_<On/Off>	D	Pulse to turn load bank on or off.
Reboot	D	Pulse to reboot unit.
Poll_Enable	D	Latch high to enable polling.
From_Device	S	Serial signal to be routed from an RS-232C port

FEEDBACK:

Standby_Is_<On/Off>	D	Indicates current standby status.
Load_Bank_Is_<On/Off>	D	Indicates current load bank status.
Utility_Power_Failure_Present	D	Indicates if a power failure is present.
Utility_Frequency_Is_Abnormal	D	Indicates if the utility frequency is abnormal.
Utility_Voltage_Is_Abnormal	D	Indicates if the utility voltage is abnormal.
Hardware_Problem_Is_Present	D	Indicates if a hardware problem is present.
UPS_Is_In_A_Warning_Condition	D	Indicates if the UPS is in a warning condition.
Battery_Test_Is_In_Progress	D	Latches high if a battery test is in progress.
A_Shut_Down_Is_Pending	D	Latches high if a shutdown is pending.
UPS_Power_On_Is_Pending	D	Latches high is UPS power on is pending.
Battery_Is_Fully_Charged	D	Indicates is the battery is fully charged.
Battery_Is_Charging	D	Indicates if the battery is charging.
Battery_Is_Discharging	D	Indicates if the battery is discharging.
Battery_Is_Below_Threshold	D	Indicates if the battery is below the threshold.

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Battery_Is_Critically_Low	D	Indicates if the battery is critically low.
Battery_Is_Exhausted	D	Indicates if the battery is exhausted.
Output_Voltage_Is_Boosted_Stage_1	D	Indicates the output voltage is boosted on stage 1.
Output_Voltage_Is_Boosted_Stage_2	D	Indicates the output voltage is boosted on stage 2.
Output_Voltage_Is_Being_Bucked	D	Indicates that the step-down converter is in use.
Outlets_Are_Off	D	Latched high when the outlets are off.
No_Load_Is_Present	D	Latches high when there is no load present.
An_Overload_Is_Present	D	Latches high when there is an overload.
A_Short_Is_Present	D	Latches high when there is a short present.
Bank_Scheduled_Off_Pending	D	Indicates that the load bank is turning off.
Bank_Scheduled_On_Pending	D	Indicates that the load bank is turning on.
Bank_Is_Off_By_Threshold	D	Indicates that the load bank is off due to power being beneath threshold.
Utility_Voltage_Text	S	Displays the current utility voltage
Output_Voltage_Text	S	Displays the current output voltage.
Output_Frequency_Text	S	Displays the current output frequency.
Current_Load_Text	S	Displays the current load value.
Load_Percentage_Text	S	Displays the current load percentage value.
Output_Load_Text	S	Displays the current output load.
Battery_Capacity_Text	S	Displays the current battery capacity.
Battery_Voltage_Text	S	Displays the current battery voltage.
Remaining_Battery_Time_Text	S	Displays the current remaining battery time.
Remaining_Charging_Time_Text	S	Displays the current remaining charging time.
Cabinet_Temperature_Text	S	Displays the current cabinet temperature.
To_Device	S	Serial data signal to be routed to a 2 way com port.

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**TESTING:**

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	v2.11.18
CRES DB USED FOR TESTING:	v20.05.021.00
DEVICE DATABASE:	v21.00.003.00
SYMBOL LIBRARY USED FOR TESTING:	v608
SAMPLE PROGRAM:	Middle Atlantic UPS-1000R v1.0 Demo PRO2.smw
REVISION HISTORY:	v1.0 – Original release