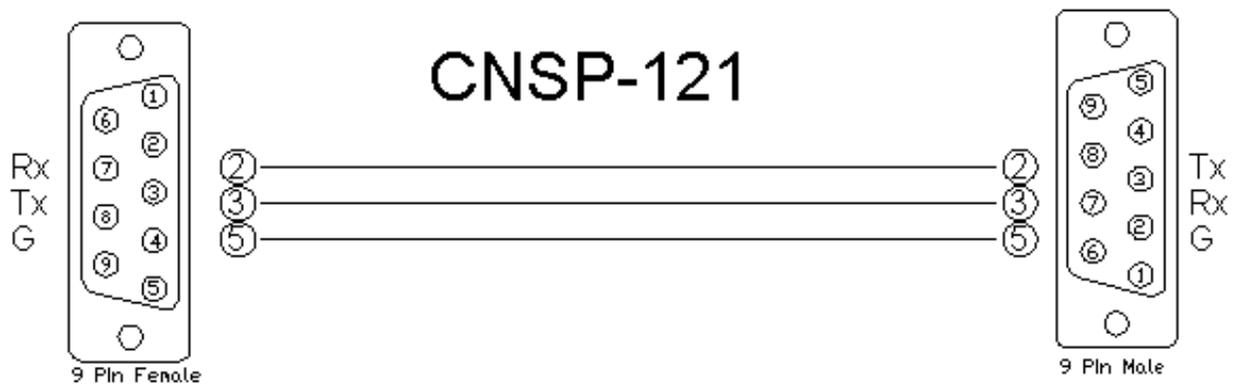


Partner: Bryant
Model: Evolution
Device Type: HVAC



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Bryant Evolution
CATEGORY:	HVAC
VERSION:	1.0
SUMMARY:	This module provides control and feedback for the Bryant Evolution HVAC systems.
GENERAL NOTES:	This module controls the Bryant Evolution HVAC system. It also provides true feedback. When changing the set points, the values sent to the Bryant will override the current values in the Bryant. The override time can be set from 15 minutes to 23 hours 59 minutes. The default is 2 hours.
CRESTRON HARDWARE REQUIRED:	C2COM, CNXCOM, C2COM-2/3, CNXCOM-2, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121



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CONTROL:

Mode_*	D	Pulse to select the mode. This is a system wide setting.
Get_Dealer_Information	D	Pulse to request the dealer name and phone number as entered in the Bryant Infinity.
Zone_*_Heat/Cool_Set_Point_In	A	Analog value to allow changing the set points using presets or a Crestron Thermostat. The value will be sent three seconds after the last change.
Zone_*_Heat/Cool_Set_Point_Up/Down	D	Press and hold to adjust the set points. The new values will be sent three seconds after the last change.
Zone_*_Fan_*	D	Pulse to change the fan setting.
Zone_*_Override_Time_Up/Down	D	Pulse to adjust the override time. This will tell the Bryant how long to use the set points sent by the Crestron.
Zone_*_Hold_On/Off/Toggle	D	Pulse to turn the hold function on and off.
Poll_Enable	D	Hold high to poll the Bryant for true feedback.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

PARAMETERS:

Number of Zones	P	Enter the number of zones installed on the system. Range is 1 to 8. Default is 8.
System Number	P	Enter the system number. This is either 1 or 2. The default is 1.
Heat Set Point Maximum	P	Enter the heat set point maximum. Range is 50 to 95. Default is 85.
Heat Set Point Minimum	P	Enter the heat set point minimum. Range is 50 to 95. Default is 50.
Cool Set Point Maximum	P	Enter the cool set point maximum. Range is 50 to 95. Default is 90.
Cool Set Point Minimum	P	Enter the cool set point minimum. Range is 50 to 95. Default is 55.

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FEEDBACK:

Mode_*_Fb	D	High to indicate the current mode setting.
Dealer_Name/Phone_Number\$	S	Serial signal with the dealer name and phone number. There are 19 characters for each.
Outside_Temperature	A	Analog value representing the outside air temperature.
Outside_Negative_Fb	D	High to indicate that the outside air temperature is negative.
Outside_Celsius_Fb	D	High to indicate that the outside air temperature is Celsius.
Zone_*_Heat/Cool_Set_Point	A	Analog values indicating the heat and cool set points for each zone.
Zone_*_Heat/Cool_Set_Point_Celsius	D	High to indicate that the zone heat and cool set points are in Celsius.
Zone_*_Fan_*_Fb	D	High to indicate the current fan setting for each zone.
Zone_*_Override_Time\$	S	Serial signal to indicate the current override time.
Zone_*_Hold_On/Off_Fb	D	High to indicate the current state of the hold function.
Zone_*_Room_Temperature	A	Analog value indicating the current room temperature for each zone.
Zone_*_Room_Temperature_Negative_Fb	D	High to indicate that the zone room temperature is negative.
Zone_*_Room_Temperature_Celsius_Fb	D	High to indicate that the zone room temperature is in Celsius.
Zone_*_Humidity	A	Analog value indicating the current humidity for each zone.
Zone_*_Override_On/Off_Fb	D	High to indicate that the override is in effect.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.06.20
SAMPLE PROGRAM:	Bryant Evolution Demo
REVISION HISTORY:	V. 1.0 – Original release.