Vantage / Legrand
vantagecontrols.com

AV Programming Associates, inc.
avprogramming.com

Vantage InFusion Crestron Programming

InFusion Load module

Files Used
Infusion Load v1.1 (AVPA).umc Infusion Load v1.1 (AVPA).ush Infusion Load v1.1 (AVPA).usp

Version History		
Version	**Date**	**Notes**
1.0	03/05/08	Initial Release
1.1	05/12/09	Updated

IMPORTANT NOTES

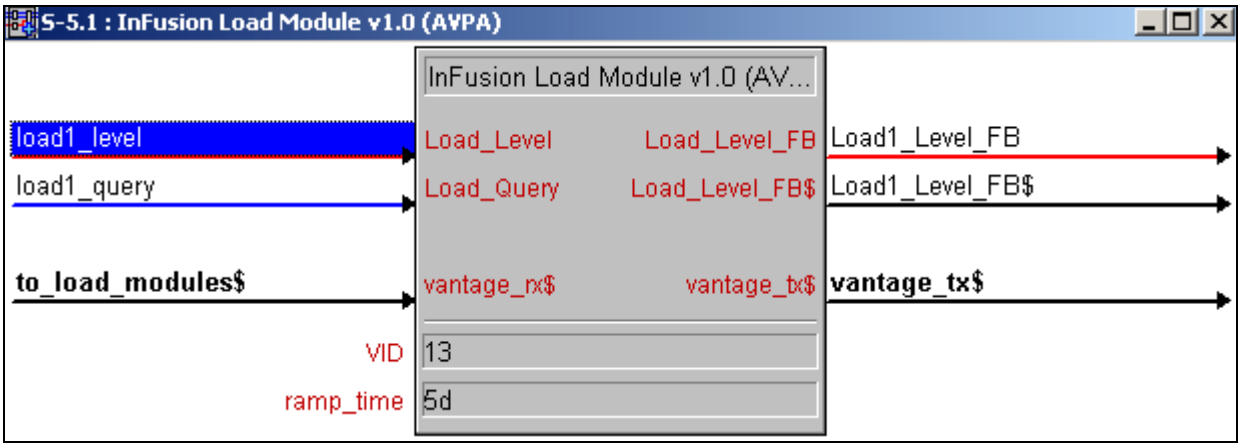
Before using this module it is necessary for you to have read and understand the main document regarding Crestron integration with Vantage
(Refer to document with the InFusion Processor module).

The following inputs must be set high (1) on the InFusion Processor module:

status_LOAD

1.0 – SIMPL Windows

General appearance of the load module in SIMPL Windows:



The command to set the load level will be sent whenever the Load_Level analog input changes. **The ramp_time defines the rate of transition in seconds that the load will take to transition from the current level to the specified level.** The analog input/outputs are in the 0~ 65535 range and the serial feedback provides a string with the percentage of the load.

If additional ramping is desired, the Crestron programmer can place an "Analog Increment with Optional Feedback" symbol in front of the module and drive the Load_Level input. In this scenario, the ramp_time parameter of the module should be set to 0. The output of the module (Load_Level_FB) should be connected to the feedback input of the Increment symbol to keep them in sync. Refer to the sample application for an example using Analog Increment.

1.1 – Signals and parameters

Inputs		
Load_Level	Analog	Analog value that will be sent to the load. Varies between 0 and 65535 (0% to 100%).
Load_Query	Digital	Pulse to query the status of the load.
Vantage_rx$	Serial	Signal coming from the main Infusion Processor Module (refer to Vantage_InFusion_Modules_Main.pdf)

Outputs		
Load_Level_FB	Analog	Displays the actual feedback of the load. Ranges from 0 to 65535.
Load_Level_FB$	Serial	Contains a string with the percentage value of the load feedback. Range is 0% to 100%.
Vantage_tx$	Serial	Signal going to the Vantage Controller (can be jammed with signals from other modules)

Parameters		
VID	Parameter	This is a 32 bit number that identify each part of a Vantage system. Ask your Vantage programmer to obtain that information.
Ramp_Time	Parameter	Time in seconds that define the rate of transition that the load takes from its present to the final state. IMPORTANT: If the programmer is using an analog increment or analog ramp to feed the load level input, this value should be set to zero (0) as the ramping parameter will be determined in the previously mentioned symbols.