Certified Module

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lutron Vive Command Processor v1.0
CATEGORY:	Lighting
VERSION:	1.0
SUMMARY:	This module controls IP communication with the Lutron Vive hub.
GENERAL NOTES:	This module acts as the primary communication interface to a single Lutron hub. If multiple Lutron hubs are required, one command processor module for each Lutron hub can be added to the solution.
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

Partner: Lutron
Model: Vive
Device Type: Lighting

PARAMETER:	
Command_Hub_ID	Setting indicates the unique identifier of the command processor module. A single program can contain multiple command processor modules where multiple Lutron hubs are involved. Each command processor module must have a unique ID.
IP_Address	Setting indicates the default IP address of the Lutron hub used when the module initializes.
Username	Setting indicates the username credential for authenticating to the Lutron hub.
Password	Setting indicates the password credential for authenticating to the Lutron hub.

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CONTROL:		
Connect	D	Pulse to establish communication with the Lutron hub and start the module "heartbeat" which is used to maintain communication with the hub by periodically sending ping requests to confirm the hub is still communicating with the control system.
Disconnect	D	Pulse to break communication with the Lutron hub and stop the module "heartbeat".
Debug	D	Latch high to enable extended debug output that will be printed to the Toolbox Console.
IP_Address	S	Set a new string value to change the working IP address of the module. Setting a new IP address forces the module to reinitialize. The string format must be: "X.X.X.X". The module must be reinitialized after a new IP address is set.

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FEEDBACK:

Is_Communicating	D	High indicates that communication has been established with the Lutron hub. Once communication has been established, the module will start sending periodic heartbeats to the device.
Is_Initialized	D	High indicates the module is initialized. The command hub is only initialized when all modules registered to the command hub module are also initialized.

TESTING:

OPS USED FOR TESTING:	CP3 1.603.4242.34642
SIMPL WINDOWS USED FOR TESTING:	4.14.21
CRES DB USED FOR TESTING:	201.05.001.00
DEVICE DATABASE:	200.15.001.00
SYMBOL LIBRARY USED FOR TESTING:	1116
SAMPLE PROGRAM:	Lutron Vive Demo IP CP3.smw
REVISION HISTORY:	v1.0 – Initial Release

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