





GENERAL INFORMATION			
SIMPLWINDOWS NAME:	Lutron HomeWorks QSX Single SetPoint HVAC Control v1.3.1		
CATEGORY:	Lighting, HVAC, Shades		
VERSION:	1.3.1		
SUMMARY:	This module provides monitor and control capability for a Zone component as part of a Lutron HomeWorks QSX solution.		
GENERAL NOTES:	This module interacts with a single Zone component, if multiple Zone components need to be managed, one module can be added for each component in the solution. This module requires one instance of the Lutron HomeWorks QSX Command Processor module to register with.		
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series or 4-Series processor.		
SETUP OF CRESTRON HARDWARE:	N/A		
VENDOR FIRMWARE:	23.08.14f000		
VENDOR SETUP:	Lutron HomeWorks QSX Processor		







PARAMETER:	
Command_Processor_ID	Setting indicates the identifier of the Command Processor module this module registers with. A single program can contain multiple zone modules where multiple Lutron processors are involved.
Zone_Href_ID	Setting indicates the reference identifier for the zone this zone control belongs to. Example: for zone href: /Zone/1399, enter the value 1399 in the parameter field.
Temperature_Scale	Setting indicates the temperature scale to use. Values are 0 Fahrenheit or 1 for Celsius.







CONTROL:		
Set_SetPoint_Temperature	Α	Integer value to set the setpoint. Valid range is determined by thermostat.
Set_OperatingMode	Α	Integer value to set operating mode. Valid values are: 1 – Off 2 – Heat 3 – Cool 4 – Auto 5 – Emergency Heat 6 – Fan 7 – Dry
Set_FanMode	Α	Integer Value to set the fan mode. Valid values are: 1 - Auto 2 - On 3 - Cycle 4 - No Fan 5 - High 6 - Medium 7 - Low 8 - Top







FEEDBACK:		
Is_Initialized	High indicates the module is initialized. The module is initialized when all component state information has been updated in the module to reflect curr component state.	rent
Current_SetPoint_Temperature	A Integer value of the current setpoint.	
Current_OperatingMode	Integer value of the current operating mode. Valid values are: 1 – Off 2 – Heat 3 – Cool 4 – Auto 5 – Emergency Heat 6 – Fan 7 – Dry	
Supports_OperatingMode_Off	O High indicates operating mode off is supported.	
Supports_OperatingMode_Heat	High indicates operating mode heat is supported.	
Supports_OperatingMode_Cool	O High indicates operating mode cool is supported.	
Supports_OperatingMode_Auto	O High indicates operating mode auto is supported.	
Supports_OperatingMode_Emergency_Heat	High indicates operating mode emergency heat is supported.	
Supports_OperatingMode_Fan	O High indicates operating mode fan is supported.	
Supports_OperatingMode_Dry	O High indicates operating mode dry is supported.	
Current_Fan_Mode	Integer value of the current fan mode. Valid values are: 1 – Auto 2 – On 3 – Cycle 4 – No Fan 5 – High 6 – Medium 7 – Low 8 – Top	





Partner: Lutron Model: HomeWorks QSX Device Type: Lighting



Supports_FanMode_On D High indicates fan mode auto is supported. Supports_FanMode_Cycle D High indicates fan mode on is supported. Supports_FanMode_Cycle D High indicates fan mode on fan is supported. Supports_FanMode_NoFan D High indicates fan mode nof an is supported. Supports_FanMode_High D High indicates fan mode high is supported. Supports_FanMode_Low D High indicates fan mode low is supported. Supports_FanMode_Low D High indicates fan mode low is supported. Supports_FanMode_Top D High indicates fan mode low is supported. Supports_FanMode_Top D High indicates fan mode low is supported. OperatingStatus_HeatLast D High to indicate operating status heat stage one is active. OperatingStatus_HeatStageTwo D High to indicate operating status heat stage two is active. OperatingStatus_HeatStageThree D High to indicate operating status heat stage three is active. OperatingStatus_CoolLast D High to indicate operating status seat stage three is active. OperatingStatus_CoolLast D High to indicate operating status cool last is active. OperatingStatus_CoolStageOne D High to indicate operating status cool stage one is active. OperatingStatus_CoolStageTwo D High to indicate operating status cool stage two is active. OperatingStatus_CoolStageTwo D High to indicate operating status cool stage two is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to indicate operating status off is active. OperatingStatus_CoolStageTwo D High to i			
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	Current_Temperature	Α	Integer to indicate the current temperature of the room.
Supports_TemperatureScale_Fahrenheit D High to indicate temperature scale Fahrenheit is supported.	Supports_TemperatureScale_Celsius	D	High to indicate temperature scale Celsius is supported.
	Supports_TemperatureScale_Fahrenheit	D	High to indicate temperature scale Fahrenheit is supported.



Certified Module

Partner: Lutron Model: HomeWorks QSX

Device Type: Lighting



EcoMode_Is_Active	D Hight to indicate EcoMode is Active.
EcoMode_Is_Enabled	D High to indicate EcoMode is enabled.





Model: HomeWorks QSX Device Type: Lighting



TESTING:

OPS USED FOR TESTING: CP3 1.603.4242.34642

CP4 2.8000.00017

SIMPL WINDOWS USED FOR TESTING: 4.22

CRES DB USED FOR TESTING: 217.05

DEVICE DATABASE: 200.260

SYMBOL LIBRARY USED FOR TESTING: 1184

SAMPLE PROGRAM: Lutron HomeWorks QSX v1.3.1 Demo IP.smw

v1.2 - Initial Release

REVISION HISTORY: v1.3 – Corrected for errors when inputs are triggered before module is initialized.

Corrected for errors when there is no fan operating mode