

**Partner: Lutron**  
**Model: HomeWorks QSX**  
**Device Type: Lighting**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Lutron HomeWorks QSX Single SetPoint HVAC Control v1.3
<b>CATEGORY:</b>	Lighting, HVAC, Shades
<b>VERSION:</b>	1.3
<b>SUMMARY:</b>	This module provides monitor and control capability for a Zone component as part of a Lutron HomeWorks QSX solution.
<b>GENERAL NOTES:</b>	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.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series or 4-Series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	23.08.14f000
<b>VENDOR SETUP:</b>	Lutron HomeWorks QSX Processor

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**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.

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**CONTROL:**

<b>Set_SetPoint_Temperature</b>	A	Integer value to set the setpoint. Valid range is determined by thermostat.
<b>Set_OperatingMode</b>	A	Integer value to set operating mode. Valid values are: 1 – Off 2 – Heat 3 – Cool 4 – Auto 5 – Emergency Heat 6 – Fan 7 – Dry
<b>Set_FanMode</b>	A	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

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**FEEDBACK:**

<b>Is_Initialized</b>	D	High indicates the module is initialized. The module is initialized when all component state information has been updated in the module to reflect current component state.
<b>Current_SetPoint_Temperature</b>	A	Integer value of the current setpoint.
<b>Current_OperatingMode</b>	A	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
<b>Supports_OperatingMode_Off</b>	D	High indicates operating mode off is supported.
<b>Supports_OperatingMode_Heat</b>	D	High indicates operating mode heat is supported.
<b>Supports_OperatingMode_Cool</b>	D	High indicates operating mode cool is supported.
<b>Supports_OperatingMode_Auto</b>	D	High indicates operating mode auto is supported.
<b>Supports_OperatingMode_Emergency_Heat</b>	D	High indicates operating mode emergency heat is supported.
<b>Supports_OperatingMode_Fan</b>	D	High indicates operating mode fan is supported.
<b>Supports_OperatingMode_Dry</b>	D	High indicates operating mode dry is supported.
<b>Current_Fan_Mode</b>	A	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

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Supports_FanMode_Auto	D	High indicates fan mode auto is supported.
Supports_FanMode_On	D	High indicates fan mode on is supported.
Supports_FanMode_Cycle	D	High indicates fan mode cycle is supported.
Supports_FanMode_NoFan	D	High indicates fan mode no fan is supported.
Supports_FanMode_High	D	High indicates fan mode high is supported.
Supports_FanMode_Medium	D	High indicates fan mode medium is supported.
Supports_FanMode_Low	D	High indicates fan mode low is supported.
Supports_FanMode_Top	D	High indicates fan mode top is supported.
OperatingStatus_HeatLast	D	High to indicate operating status heat last is active.
OperatingStatus_HeatStageOne	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 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_Off	D	High to indicate operating status off is active.
OperatingStatus_EmergencyHeat	D	High to indicate operating status emergency heat is active.
OperatingStatus_Dry	D	High to indicate operating status dry is active.
Current_Fan_Status	A	Integer value to indicate fan status. Valid values are: 0 – Unknown 1 – High 2 – Medium 3 – Low 4 – Off
Current_Temperature	A	Integer to indicate the current temperature of the room.
Supports_TemperatureScale_Celsius	D	High to indicate temperature scale Celsius is supported.
Supports_TemperatureScale_Fahrenheit	D	High to indicate temperature scale Fahrenheit is supported.

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

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3 1.603.4242.34642 CP4 2.8000.00017
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.22
<b>CRES DB USED FOR TESTING:</b>	217.05
<b>DEVICE DATABASE:</b>	200.260
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1184
<b>SAMPLE PROGRAM:</b>	Lutron HomeWorks QSX v1.3 Demo IP.smw
<b>REVISION HISTORY:</b>	v1.2 – Initial Release v1.3 – Corrected for errors when inputs are triggered before module is initialized. Corrected for errors when there is no fan operating mode