Partner: Lutron
Model: Athena
Device Type: Lighting

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lutron Athena Zone Control v1.2
CATEGORY:	Lighting
VERSION:	1.2
SUMMARY:	This module provides monitor and control capability for a Zone component as part of a Lutron Athena 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 Athena Command Processor module to register with.
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series processor. Crestron 4-Series processor (Firmware Version 2.5000 or later).
SETUP OF CRESTRON HARDWARE:	Crestron CP3 Crestron MC4
VENDOR FIRMWARE:	22.02.16f000
VENDOR SETUP:	Lutron Athena 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_Mode	Setting indicates the lighting mode operation of the zone: • Dim – Control and feedback for dimmable lighting within the zone • Switch – Control and feedback for switch lighting within the zone • CCO – Control and feedback for CCO (contact closure output) modules
Fade_Time	Setting indicates the time interval in seconds for lighting to adjust to a new level. Range is 0 to 14400.
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.

CONTROL:

DimLevel_Raise	D	Pulse to incrementally increase the lighting brightness level or latch high to continuously increase the lighting brightness level until the signal is latched low or the maximum brightness is reached.
DimLevel_Lower	D	Pulse to incrementally decrease the lighting brightness level or latch high to continuously decrease the lighting brightness level until the signal is latched low or the minimum brightness is reached.
Switch_On	D	Pulse to turn the switch on.
Switch_Off	D	Pulse to turn the switch off.
Set_DimLevel	D	Pulse to set the discrete value of the brightness specified by the Dim_Level analog input signal. *For slider operations, use a press join to drive this signal high. When this is high, the corresponding analog value will be sent automatically on change. Using a '1' on a 'set' signal is discouraged and will have negative effect.*
Dim_Level	A	Integer value specifies the dim level to set as a percentage. Range is 0 to 65535.
FadeTime	A	Integer value specifies the fade time in seconds. Range is 0 to 14400.
CCOLevel_Open	D	Pulse to open a CCO level.
CCOLevel_Close	D	Pulse to close a CCO level.

FEEDBACK:

Is_Initialized	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.
Switch_On_Fb	D	High indicates the switch is currently on.
Switch_Off_Fb	D	High indicates the switch is currently off.
DimLevel_Fb	A	Integer value indicates the current dim level as a percentage from 0 to 65535.
FadeTime_Fb	A	Integer value indicates the current fade time in seconds. Range is 0 to 14400.
CCOLevel_Is_Open	D	High indicates the CCO level is open.
CCOLevel_Is_Closed	D	High indicates the CCO level is closed.

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TESTING:

OPS USED FOR TESTING:	CP3 1.8001.4788.20471 MC4 2.7000.00052
SIMPL WINDOWS USED FOR TESTING:	4.20
CRES DB USED FOR TESTING:	211.0500.001.00
DEVICE DATABASE:	200.17500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1164
SAMPLE PROGRAM:	Lutron Athena v1.2 Demo IP.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – No changes have been made v1.2 – No changes have been made

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