Partner: Lutron
Model: RadioRA 3
Device Type: Lighting

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lutron RadioRA 3 Shade Control v1.1
CATEGORY:	Lighting
VERSION:	1.1
SUMMARY:	This module provides monitor and control capability for a Shade component as part of a Lutron RadioRA 3 solution.
GENERAL NOTES:	This module interacts with a single Shade component, if multiple Shade components need to be managed, one module can be added for each component in the solution. This module requires one instance of the Lutron RadioRA 3 Command Processor module to register with.
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series or 4-Series processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	21.02.08f000
VENDOR SETUP:	Lutron RadioRA 3 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 shade modules where multiple Lutron processors are involved.
Shade_Mode	Setting indicates mode of operation of the shade component, either lift only, lift and tilt, or lift and tilt when closed.
Zone_Href_ID	Setting indicates the reference identifier for the zone this shade control belongs to. Example: for zone href: /Zone/1399, enter the value 1399 in the parameter field.

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CONTROL:

Lift_Raise	D	Pulse to incrementally raise the shade position or latch high to continuously raise the shade position until the signal is latched low or the shade has reached its limit.
Lift_Lower	D	Pulse to incrementally lower the shade position or latch high to continuously lower the shade position until the signal is latched low or the shade has reached its limit.
Set_Lift_Level	D	Pulse to set the discrete value of the lift position specified by the Lift_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.*
Lift_Level	A	Integer value specifies the lift position to set as a percentage. Range is 0 to 65535.
Tilt_Raise	D	Pulse to incrementally increase the tilt position or latch high to continuously increase the tilt position until the signal is latched low or the shade has reached its limit.
Tilt_Lower	D	Pulse to incrementally decrease the tilt position or latch high to continuously decrease the tilt position until the signal is latched low or the shade has reached its limit.
Set_Tilt_Level	D	Pulse to set the discrete value of the tilt position specified by the Tilt_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.*
Tilt_Level	A	Integer value specifies the tilt position to set as a percentage. Range is 0 to 65535.

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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.
Lift_Level_Fb	A	Integer value indicates the current lift position as a percentage from 0 to 65535.
Tilt_Level_Fb	A	Integer value indicates the current tilt position as a percentage from 0 to 65535.

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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 RadioRA 3 v1.1 Demo IP.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Corrected for errors when inputs are triggered before module is initialized Added Lift and Tilt when Closed to the shade mode parameter