CRESTRON

Certified Module

Partner: Lutron
Model: HomeWorks QSX
Device Type: Lighting

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lutron HomeWorks QSX Button Control v1.3
CATEGORY:	Lighting, HVAC, Shades
VERSION:	1.3
SUMMARY:	This module provides monitor and control capability for a Button component as part of a Lutron HomeWorks QSX solution.
GENERAL NOTES:	This module supports up to 50 buttons. The buttons can belong to different keypads. If more than 50 buttons need to be managed, additional modules can be used to support the number of buttons required. 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

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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 Button modules where multiple Lutron processors are involved.
Button_Press_Mode	Setting indicates the operation mode of the Button_[XX]_Press inputs: • Auto: Simulates the Lutron button programming. • Press/Release: Pulsed signal will activate Press and Release programming. • DoubleTap: Pulsed signal will activate DoubleTap programming. • Hold: Pulsed signal will activate Hold programming.
Button_Press_Fb_Mode	Setting determines the functionality of the Button_[XX]_Press_Fb outputs: • Actual: Signals transition based on Lutron feedback. Lutron button programming must be blank for true press/release feedback. • Press Only: Signals pulse on the press event.
Button_Href_ID[1]..Button_Href_ID[50]	Setting indicates the reference identifier for the button the corresponding digital signal will trigger. Example: for button href: /button/664, enter the value 664 in the parameter field.

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CONTROL:

Button_[01]_Press..Button_[50]_Press	D	Pulse to trigger the button specified by the corresponding Button_HRef_ID parameter. The button behavior is determined by the Button_Press_Mode parameter of the module. See notes above.

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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.
Button_[01]_Press_Fb..Button_[50]_Press_Fb	D	High indicates that the button that corresponds to its Button_HRef_ID has been pressed. The signal behavior is determined by the Button_Press_Fb_Mode parameter of the module. See notes above.

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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 HomeWorks QSX v1.3 Demo IP.smw

REVISION HISTORY:	v1.0 – Initial Release
	v1.1 – No changes have been made
	v1.2 – No changes have been made
	v1.3 – Corrected for errors when inputs are triggered before module is initialized.
	    Updated Press/Hold/Release mode to simulate all button models, renamed to Auto.
	    Added Hold mode.
	    Added Button_Press_Fb_Mode parameter, renamed Mode to Button_Press_Mode.

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