Partner:QSC - QSYS
Model:QSYS Line
Device Type:Level

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Qsys Control Module V2 – Level
CATEGORY:	Audio DSP
VERSION:	2.0
SUMMARY:	For Use with the QSYS Control Processor
GENERAL NOTES:	This module is used with the QSYS Control Processor Module. The Objective of this module is to simplify the Programming process. This Module can send values in two forms; a relative or percentage, and a Direct dB setting. It will also provide feedback for both.
CRESTRON HARDWARE REQUIRED:	3 Series Processor
SETUP OF CRESTRON HARDWARE:	
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	Give desired control objects a "Named Control", DO NOT USE SPACES OR QUOTES.
CABLE DIAGRAM:	

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CONTROL:

Set_Level_dB	A	Signed Value – Use to set signed value for direct dB level. This value is to the 1/10 decimal position. Min and Max Values are based on **Min dB** and **Max dB** Parameters. Examples 9.8dB = 98d -98.3dB = -983d 10dB = 100d
Set_Level_Relative	A	Unsigned Value – Use to set relative level of object. This will be a "percentage" of the total level range, regardless of Min and Max Values. The Value is relative to what is set in the QSYS Software. Valid Values 0-65535d (0%-100%)
Level_Up/Down	D	Hold to Raise or Lower Current Level
Level_Min/Max	D	Pulse to send to Min Value or Max Value.
Poll_Enable	D	• Edge Triggered • Rising Edge – Will enable automatic reporting (Normally Connected to Qsys Connected line of Main Control Processor Module) • Trailing edge – Will disable automatic reporting • Based off Group Name and Poll Time of Processor Module.

FEEDBACK:

Level_dB_FB	A	Signed Value – Indicates objects current level (dB), value is to the 1/10 decimal. Example -1000d = -100dB -50d = -5.0dB 124d = 12.4dB
Level_Relative%_FB	A	Unsigned Value – Indicates objects current level %. Valid values are 0-65535d (0%-100%)

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PARAMETER:

Ramp Time	Seconds	Seconds – Time object takes to get to Min Level to Max Level, and Visa Versa
Min dB/Max dB	Signed Integer	Signed Value – Min and Max dB Levels assigned in QSYS design for object. Values are to the 1/10 decimal Example -1000d = 100dB 200d = 20dB
Named Control ID	ASCII	Named Control given in QSYS Design
Group ID	Integer	Assigns Named Control object to a Change Group for unsolicited responses. Valid values are 1-4

TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	4.03.20
DEVICE DB USED FOR TESTING:	67.07.003.00
CRES DB USED FOR TESTING:	52.05.013.00
SYMBOL LIBRARY USED FOR TESTING:	983
SAMPLE PROGRAM:	QSYS Control Demo Program V2
REVISION HISTORY:	v1.0 – Initial Release v2.0 – Improved Performance, Added Poll Enable

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