Release Notes

ControlLogix Voltage/Current Input Module

(Catalog Number 1756-IF8)

Read this document along with the installation instructions (pub. no. 1756-5.40) to use the ControlLogix Voltage/Current input module (cat. no. 1756-IF8) with RSLogix 5000 software, version 1.10.

The module features described below cannot be used with RSLogix 5000, version 1.10. We recommend you upgrade to RSLogix 5000, version 1.20 to use all module functionality.

Calibrating the Module

You cannot calibrate this module with version 1.10.

Using Rate Alarms

Rate alarms values are truncated to whole numbers. For example, a value of 1.6 Engineering Units/Second will be truncated to 1.0.

Important: Process alarms do not have this restriction.

Determining Minimum Real Time Sampling (RTS) Values

The permissible 1756-IF8 minimum RTS values for a particular module filter setting and wiring format, do not match the minimum RTS values displayed for that filter setting and wiring format in version 1.10.

Important: The Module Filter (-3dB) is incorrectly referred to as a Notch Filter in version 1.10.

Publication 1756-5.40RN1- October 1998

Use the following table to determine the actual minimum RTS values that are associated with the various wiring methods available on the module.

Important: Each filter setting lists three times. These times represent the minimum RTS for that setting if the module is wired in single-ended, differential, or high speed differential mode.

Module Filter Setting (-3dB)[1, 2]	Wiring Mode	10Hz	50Hz	60Hz (Default)	100Hz	250Hz	1000Hz
Minimum Sample Time (RTS) Integer Mode	SE	488ms	88ms	88ms	56ms	28ms	16ms
	Diff.	244ms	44ms	44ms	28ms	14ms	10ms[3]
	HS Diff.	122ms	22ms	22ms	14ms	10ms[3]	10ms[3]
Minimum Sample Time (RTS) Floating Point Mode	SE	488ms	88ms	88ms	56ms	28ms	25ms[3]
	Diff.	244ms	44ms	44ms	28ms	25ms[3]	25ms[3]
	HS Diff.	122ms	25ms[3]	25ms[3]	25ms[3]	25ms[3]	25ms[3]
Effective Resolution		16 bits	16 bits	16 bits	16 bits	14 bits	12 bits

1 For optimal 50/60Hz noise rejection (>80dB), choose the 10Hz filter.

2 Worst case settling time to 100% of a step change is double the RTS sample times.

3 These values change to permit faster channel updates with version 1.20 of RSLogix 5000. Refer to user manual for values available with version 1.20

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Publication 1756-5.40RN1- October 1998 PN 955135-38