

ASIO-4080 – 2 Channel Counter/Frequency Module

02/17/14



Features	
2 Independent counter/frequency inputs	
Frequency measurement range 5Hz~50Hz	
32 bit resolution	
5 digit LED readout	
Serial interface to SoftPLC using ADAM-4000 TLM	

Specifications										
Counter Input		General								
Channels	2 independent counters (32-bit + 1-bit overflow)	Connectors	(2) plug-in terminal blocks (#14 ~ 22 AWG)							
Input Frequency	50 kHz max.	Power Consumption	2.0 W @ 24 VDC							
Input Pulse Width	>10 μ s.	Watchdog Timer	System (1.6 second)							
Input Mode	Isolated or non-isolated	Supported Protocols	ASCII command							
Isolated Input Level	Logic level 0: +1 V max. Logic level 1 3.5~30 V	Power Input	Unregulated 10 ~ 30 VDC							
Isolated Voltage	2,500 VRMS	Module Dimensions	110 x 60 x 27 mm (HxWxD)							
Non-Isolated Input Level	Programmable threshold: Logic level 0: +0.8 Vmax. Logic level 1: 2.4 ~ 5.0 V	Construction Material	Impact Resistant ABS plastic							
Maximum Count	4,294,967,295 (32 bits)	Certifications & Compliances	UL, UL(C), CE, FCC rated, ROHS Compliant							
Preset Type	Absolute or relative	<table border="1"> <thead> <tr> <th colspan="2">Environment</th> </tr> </thead> <tbody> <tr> <td>Humidity</td> <td>5 ~ 95% RH</td> </tr> <tr> <td rowspan="2">Temperature</td> <td>Operating: -10 ~ 70°C (-14 ~ 158°F)</td> </tr> <tr> <td>Storage: -25 ~ 85°C (-13 ~ 185°F)</td> </tr> </tbody> </table>		Environment		Humidity	5 ~ 95% RH	Temperature	Operating: -10 ~ 70°C (-14 ~ 158°F)	Storage: -25 ~ 85°C (-13 ~ 185°F)
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Programmable Digital Noise Filter	2 μ s ~ 65 ms									
Alarm	Alarm comparators on each counter									
LED Indicators	5-digit readout, CH 0 or CH 1 (programmable)									
Frequency Measurement Range	5 Hz ~ 50 kHz									
Programmable Built-in Gate Time	1 or 0.1 second									

Digital Output	
Channels	2, open collector to 30 V, 30 mA max. load
Power Dissipation	300 mW for each channel

