

HSC10 – 3 Channel High Speed Counter Module

1/8/2008



Specifications	
Number of input channels	3 Individual optically isolated
Input type of counter	A-B phase, up-down pulse, or direction pulse, individual channel selectable
Count range	32 bits (-2147483648~+2147483647)
Counter modes	4 modes
Counter Input level	12~24VDC (default), or 5 V (Selectable via internal Dip Switch)
Logic 0 Level	12-24VDC: logic 0 when ≤ 9 VDC 5VDC: logic 0 when ≤ 1.5 VDC
Max. counter frequency	50KHz
External Input points	3 individual optically isolated, DC 12~24V (default), or 5V (selectable via internal Dip Switch for entire module)
External Output points	3 individual optically isolated, 0.1A/pt. 12-24VDC
Isolation	2.5 KV optical isolation between input/output signals and CPU
Internal current consumption	400mA
External connectors	20 point terminal block connector, max. wire size #14 AWG
Weight	370g

Terminal #	Signal	Wiring Diagram
1	CH1_A+	
2	CH1_A-	
3	CH1_B+	
4	CH1_B-	
5	CH2_A+	
6	CH2_A-	
7	CH2_B+	
8	CH2_B-	
9	CH3_A+	
10	CH3_A-	
11	CH3_B+	
12	CH3_B-	
13	X1	
14	O1	
15	X2	
16	O2	
17	X3	
18	O3	
19	24V	
20	GND	

