

SPECIFICATIONS

TYPE		1	5	D	2
Supply Voltage		12 VDC ±10%	5 VDC ±10%	5 VDC ±10%	24 VDC ±10%
Current		60mA max	80mA max	150mA max	30mA max
Output Voltage	H	≥ 4.0V	Vcc -0.5V	≥ 2.0V	—
	L	≤ 0.4V			
Contact Rating		(Selector switches) 25V max, 0.4VA max			
Resolution		100PPR			
Freq. Response		1000Hz			

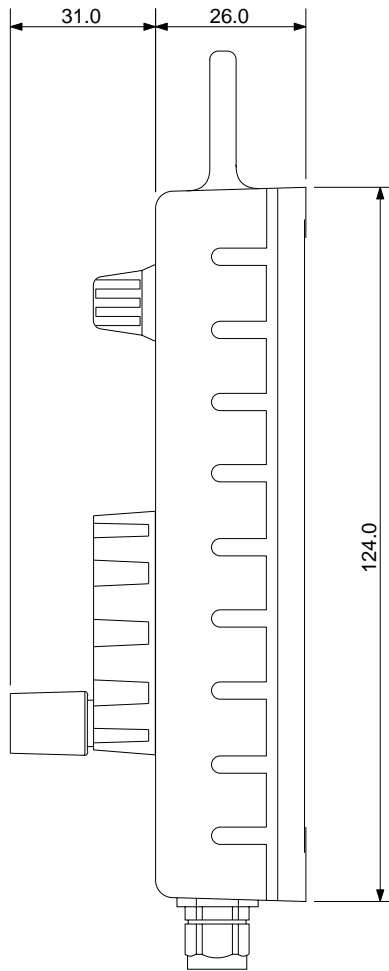
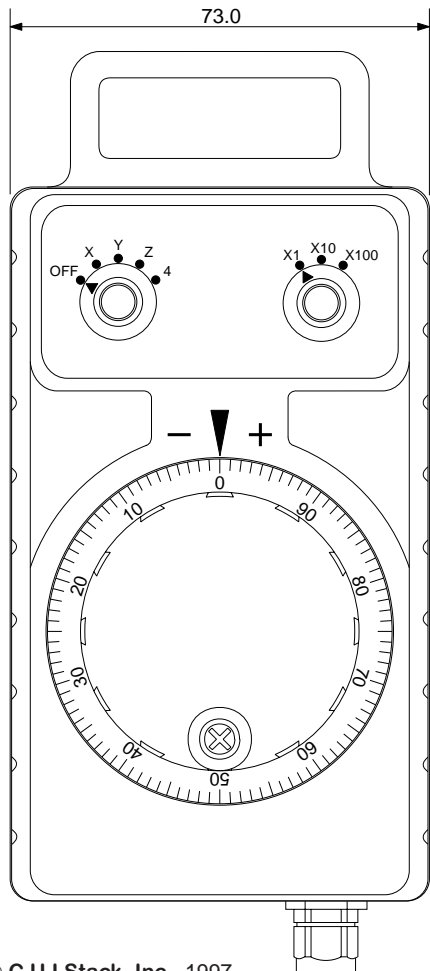
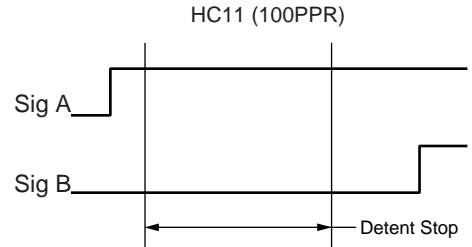
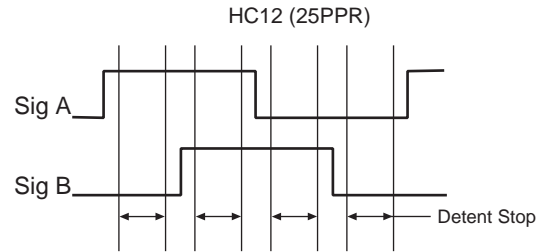
MECHANICAL

1. Max Shaft Load: radial: 2 kgf
axial: 2 kgf
2. Torque: 160 - 320 gf•cm (Pulse Wheel)
50 - 150 gf•cm (Switches)
3. Life: 10⁶ cycles (Pulse Wheel)
50,000 cycles (Switches)

ENVIRONMENTAL

1. Operating Temp: -10° to +60° C
2. Storage Temp: -40° to +70° C
3. Humidity: ≤85% RH, no condensation
4. Vibration: 10~55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 11ms, 3 axes, 3 reps

Output Waveform



Ordering Information

HC1 [] [] [] [] [] []

Resolution:
1 = 100PPR
2 = 25PPR

Input:
1 = 12V
5 = 5V
D = 5V (Differential)
2 = 24V

Axis Selector Switch
A = OFF XY Z 4
B = OFF XY Z 4 5
C = OFF XY Z 4 5 6
D = OFF XY Z 4 5 6 7
E = OFF XY Z 4 5 6 7 8
F = OFF XY
G = OFF XY Z

Knob:
H = XY
J = XY Z
K = XY Z 4
L = XY Z 4 5
M = XY Z 4 5 6
N = XY Z 4 5 6 7
P = XY Z 4 5 6 7 8

Connectors:
0 = None
1 = One end
2 = Both ends
3 = Custom

Coil Cord:
0 = None
1 = 2M Cord
2 = 3M Cord
3 = 5M Cord
4 = 4M Cord

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DRAWN BY	UPDATED	CHECKED	RELEASED
PART NO. HC1XXXXXX			REV. A