

## TRADITIONAL MINIATURE JOYSTICK SPECIFICATIONS:

- Joystick travel - 25° from design center in all directions
- Mechanical lifecycle - 5,000,000 (minimum)
- Main pivot ball - precision ground stainless steel
- Stick shaft - 3/16in. brass plated
- Return to center repeatability -  $\pm 2\%$
- Mounting - front or rear panel (see bezels)
- Panel thickness (mounting) - .050in. to .1875in.
- Deflection force - .18 lbs @ 25° 1 1/2in. up from pivot point
- Potentiometer calibration - thumb tab provides up to 180° of calibration
- Potentiometers - set at center of resistance

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## Configuration Guides

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## Traditional Joysticks Part Number Configuration &amp; Availability Guide

Description      Key      Feature      Feature Availability

Joystick Type	S	Standard	S	S	S	S								
	M	Miniature					M	M	M	M				
	C	Compact									C	C	C	C

Model Number	1	100-2 Axis	100					100				100			
	2	200-2 Axis with Pushbutton		200				200				200			
	3	300-3 Axis				300				300				300	
	4	400-3 Axis with Pushbutton					400					400			400
Construction	0	Nylon plastic	X	X	X	X						X	X	X	X
	1	Glass-filled nylon						X	X	X	X				

Mounting Bezel	A	Round Cup -Textured (FM)	X												
	C	Split Bezel -Textured (FM)	X	X	X	X	X	X	X	X					
	F	Square Bezel -Textured (RM)	X					X							

**CH Products**  
**970 Park Center Dr.**  
**Vista, CA 92081**  
**Tele 760-598-2518**  
**Tele (USA Only)**  
**FAX 760-598-2524**



	O	Computer Bezel	X	X	X	X					X	X	X	X
	L	Rubber Boot Kit (FM)	X	X	X	X	X	X	X	X				
	Q	Square Bezel Snap-On (FM)	X				X							
	U	Round Bezel Snap-On (FM)	X	X	X	X								
	X	Without Bezel	X	X	X	X	X	X	X	X				

Centering	0	Spring Centering	X	X	X	X	X	X	X	X	X	X	X	X	X
	1	Friction Clutch	X	X	X	X									
	3	Center Detent - X Axis	X	X	X	X									
	4	Center Detent - Y Axis	X	X	X	X									
	5	Center Detent Both Axis	X	X	X	X									
	6	Torque Set (friction)	X	X	X	X	X	X	X	X	X				

Stick Handle	0	Tapered Convex	X				X				X				
	1	Concave Tip	X				X				X				
	2	Flat Tipped	X				X				X				
	3	Concave Tip - Long	X				X				X				
	5	Pushbutton		X				X				X			
	6	Straight Tip - Short	X				X				X				
	8	3rd Axis - Model B			X				X				X		
	9	3rd Axis with Pushbutton				X				X				X	
	A	Straight Tip - Mid	X				X				X				
	B	Straight Tip - Long	X				X				X				
	C	Ball Tip	X				X				X				
	E	Pushbutton - Option E		X				X				X			
	G	Pushbutton - Option G		X				X				X			

	H	Pushbutton - Option H		X					X				X		
	K				X						X			X	
	X	Without Handle	X					X				X			
Trim	0	Above Panel Trim	X	X	X	X					X	X	X	X	
	1	Below Panel Trim	X	X	X	X	X	X	X	X	X	X	X	X	
	9	Unassembled	X	X	X	X	X	X	X	X					
Output Options		<b>Potentiometer</b>													
	F	Clarostat 595 5K	X	X	X	X	X	X	X	X	X	X	X	X	X
	C	Clarostat 388 10K	X	X	X	X	X	X	X	X	X	X	X	X	X
	J	CTS (HP100) 100K	X	X	X	X						X	X	X	X
	L	CTS (HP130) 130K	X	X	X	X						X	X	X	X
	R	Nei Sensorcube 5K	X	X	X	X	X	X	X	X	X	X	X	X	X
	U	Nei Sensorcube 10K	X	X	X	X						X	X	X	X
	W	Without Pot	X	X	X	X	X	X	X	X					
	Z	Special Pot	X	X	X	X									
		<b>Hall Effect Side Plate</b>													
	0	0V to 5V rail-to-rail	X	X	X	X	X	X	X	X					
	1	0.5V to+ 4.5V w/Fault Detection	X	X	X	X	X	X	X	X					
	2	.025V to 4.75V w/Fault Detection	X	X	X	X	X	X	X	X					
	3	2V to 3V	X	X	X	X	X	X	X	X					
	4	1V to 4V	X	X	X	X	X	X	X	X					

\*The O bezel is only available on Standard Joysticks that are placed in the SJ Housing.

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