

# J34 Series Multi-Axis Miniature Resistive Joystick



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*Shown without protective rubber boot*

## **J34 Series Multi-Axis Miniature Resistive Joystick** *Fine Precision Joystick Series*

### **Features**

- Two Axis Joystick (X,Y)
- 1.50" handle height
- 20°-30° deflection angle ( $\pm 10^\circ$  -  $\pm 15^\circ$ )
- Tapered knob
- Spring return to center
- Circular deflection pattern
- 10K ohm precision potentiometer
- Protective rubber boot
- IP65 rating above panel

### **Options**

- Single Axis (Z)
- Three Axis (Y, Z)
- Square limiter plate
- Cross (+) limiter plate
- Friction clutch (holds position, replaces spring return)
- Non-standard resistance
- Digital code switches
- Center-tapped potentiometer(s)
- Mounting plate
- Push button handle
- Tall Tapered Handle
- Without boot

### **Electrical Specifications**

Resistance: 10K Ohms  
Resistance Tolerance:  $\pm 15\%$   
Independent Linearity:  $\pm 3.0\%$   
Power Rating: (X, Y) 0.1 watt  
Lever Electrical Angle: (X,Y) - 20°  
Resolution: Essentially infinite  
Output Smoothness: Below 0.2% against input voltage  
Contact Resistance Variation: Below 6%  
Insulation Resistance: 1000 Meg@500VDC  
Dielectric Strength: 1 minute @ 500 VAC  
Max. Wiper Output: 5mA, 1ma rec.

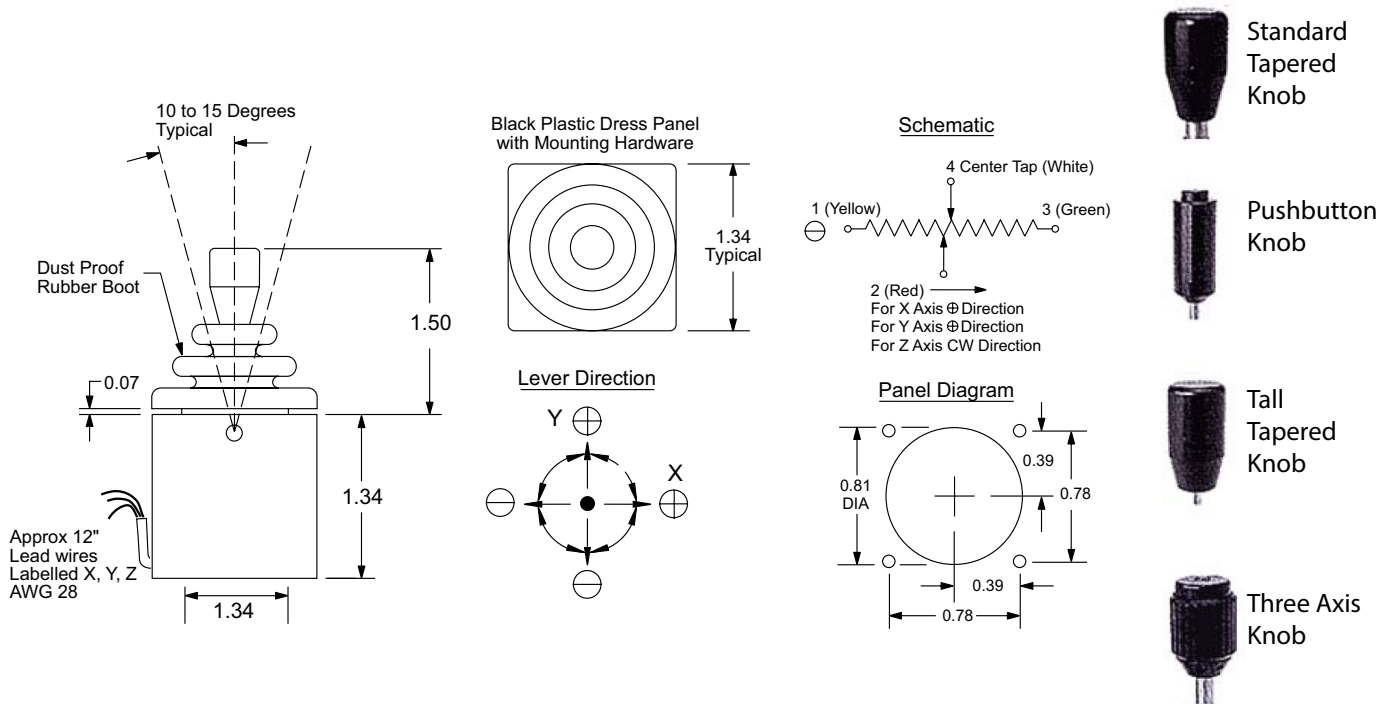
### **Mechanical Specifications**

Lever Deflection (X,Y):  $\pm 10^\circ$  to  $\pm 15^\circ$   
Operating Force (X, Y): 2.82 to 7.05 oz-F  
Body Material: Aluminum and High Temp. Thermoplastic  
Knob Material: Hard plastic  
Weight: 2.5 to 3.2 oz  
Service Life: 5,000,000 operations

### **Environmental Specifications**

Operating Temperature: -20°C to +65°C  
Rating: IP 65 Above Panel

# J34 Series Multi-Axis Miniature Resistive Joystick



## Ordering Information

Example Part Number: **J34-2-MP**

J34	2	(blank)	MP
Model	Axis	Limiter Plate	FR = Friction clutch (holds position, replaces spring return)
<b>J34</b>	3 = 3 axis (X,Y,Z) 2 = 2 axis (X,Y)  (standard) 1 = Single axis (X)	<b>None</b> = Circular deflection - no limiter plate (standard) <b>Square</b> <b>Cross (+)</b>	<b>NS</b> = Non-standard resistance <b>DC</b> = Digital Code Switches <b>MP</b> = Mounting plate <b>PB</b> = Push button handle <b>TT</b> = Tall Tapered Handle <b>WB</b> = Without boot

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