

# J3RH Series Single Axis Hall-Effect Rocker Joystick



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**J3RH Series Single Axis Hall-Effect Rocker Joystick**  
*Fine Precision Joystick Series*

## Features

- Single Axis Joystick
- 36° deflection angle ( $\pm 18^\circ$ )
- Hall-effect element
- IP65 rating

## Options

- Friction clutch (holds position, replaces spring return)
- Spring return to center standard
- Center tapped potentiometer
- Non-standard resistance value

## Electrical Specifications

Applied Voltage: 5V DC  $\pm 10\%$   
Output Voltage: 0.5V to 4.5V  
Current consumption: Approx. 7mA  
Independent Linearity:  $\pm 3\%$   
Load Resistance: 10K ohms min.  
Center Return Accuracy: 50%  $\pm 3\%$   
Resolution: Essentially Infinite

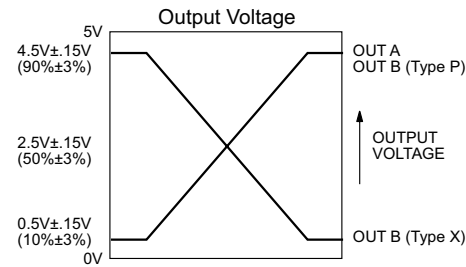
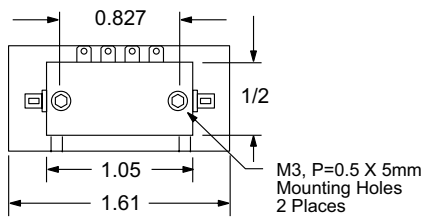
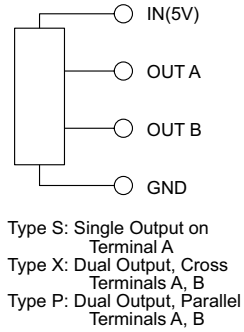
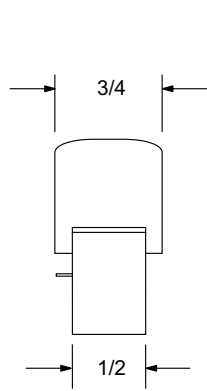
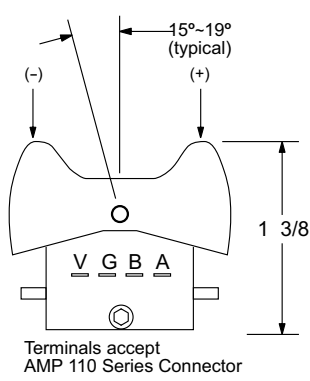
## Mechanical Specifications

Range of Motion:  $\pm 15^\circ$  to  $\pm 19^\circ$  from center  
Operating Force: 3.59~8.99 oz. in.  
Life Expectancy: 5,000,000 cycles  
Housing: High temp. thermoplastic  
Terminals: Gold Plated Brass  
Shock: 30G  
Vibration: 10-50Hz 10G

## Environmental Specifications

Operating Temperature:  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$   
Ingress Protection: IP65 rating

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## Ordering Information

Example Part Number: **J3RH-P-X1-SR**

J3RH	P	X1	FR
Model	Output	Handle	Options
<b>J3RH</b>	<b>P:</b> Dual Isolated outputs, same polarity	<b>X1</b>	<b>SR:</b> Spring return to one end
	<b>X:</b> Dual Isolated outputs, opposite polarities	<b>X2</b>	<b>FR:</b> Friction clutch (holds position, replaces spring return)
	<b>S:</b> Single output terminal A	<b>X3</b>	

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