


JH25 Series

Multi-Axis Joystick Controller (Hall Effect, Thumb Controller)



- Dual Axis
- Hall Effect Sensors
- IP54 Protection Grade
- Redundant Output Option
- Above or Below Panel Mounting
- > 2 mio. operations life
-  RoHS

Electrical Data (Note 1)

Electrical Travel	approx. 34° (±17° from center)
Applied Voltage	5VDC ±10%
Output Voltage	0.5V ~ 4.5V
Load Resistance	> 10k Ω
Independent Linearity Tolerance	±3%
Resolution	Infinite
Insulation Resistance	> 1000MΩ at 500VDC
Dielectric Strength	500VAC, 1 minute
EMS Durability	100V/m (80MHz~1GHz sine-wave 80% AM modulation)
ESD Durability	±8kV contact, ±15kV aerial discharge (IEC61000-4-2)

Mechanical Data (Note 1)

Mechanical Travel	Omni-directional, approx. ±17° from center (34° overall)
Operating Force	Spring return device; approx. 1N ~ 2.5N
Operating Temperature	-20°C ~ +60°C
Vibration	10 ~ 55Hz 98m/s ² (10G)
Shock	30G
Life Expectancy	> 2,000,000 random operations
Protection Grade	IP54
Weight	approx. 23g

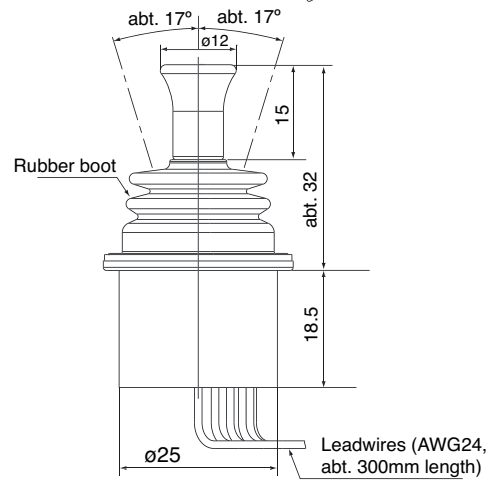
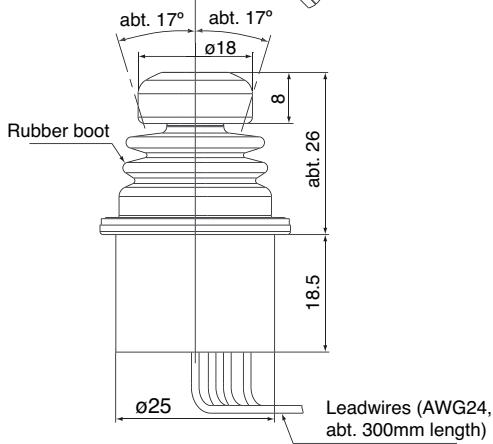
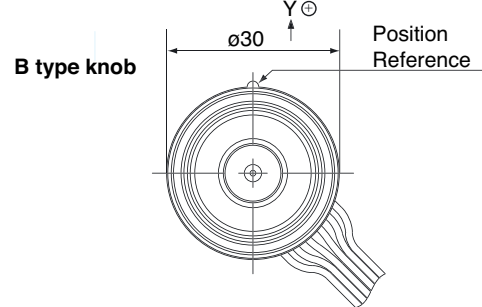
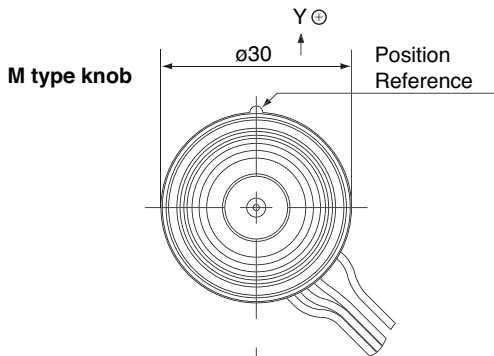
Note 1: Customers should test and verify device performance in any given application. Specifications are subject to change without notice.

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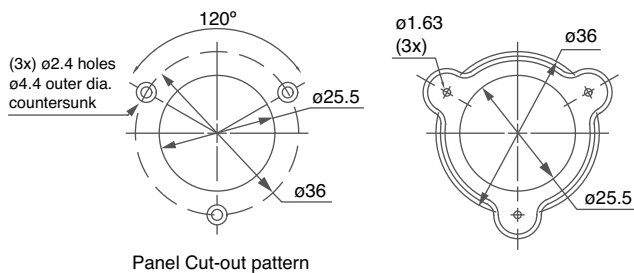
Basic Dimensions

Dimensions: mm

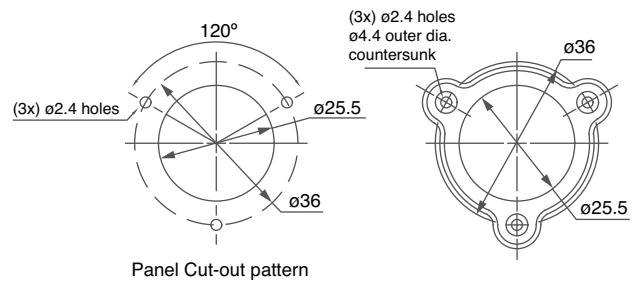


Panel Arrangements

Mounting from under panel



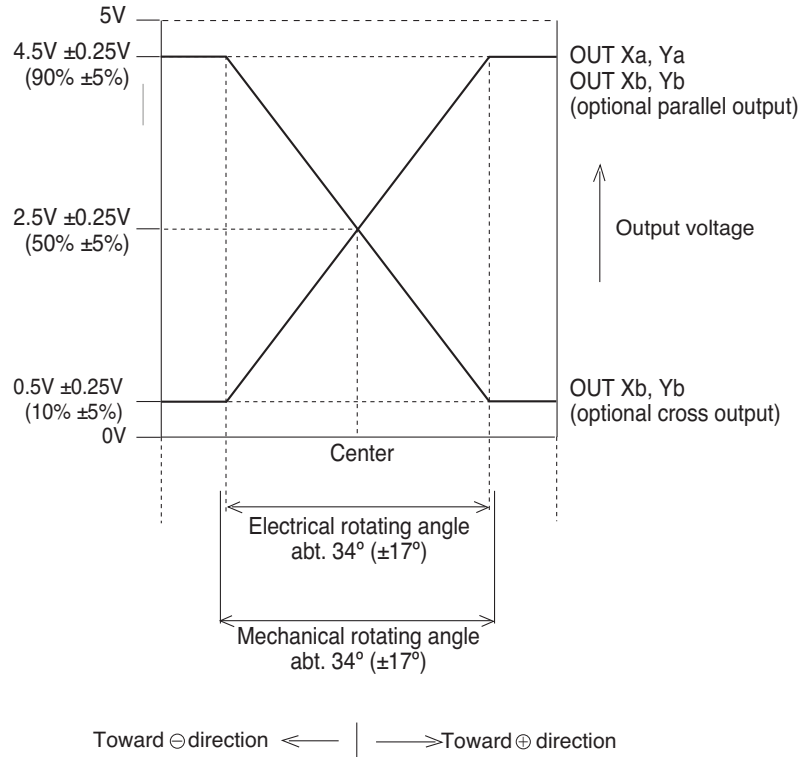
Mounting from above panel



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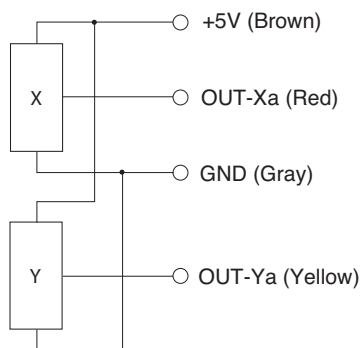
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Electrical Output Characteristics of Hall Effect Potentiometer



Terminal Diagram

Single Output (Standard)



Parallel Output Cross Output

