

MJS Micro Joystick

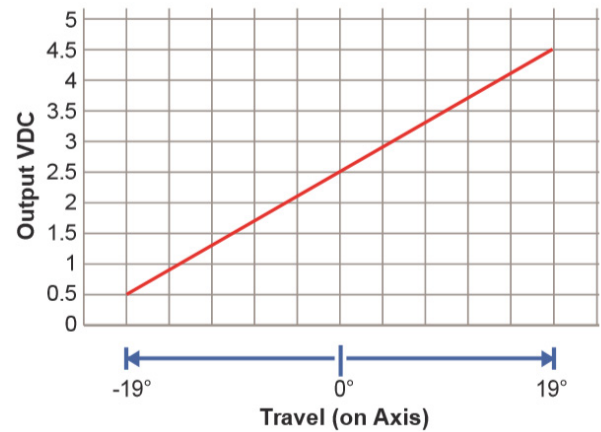
The Sure Grip Micro Joystick is a miniature proportional Hall Effect joystick with only 3 moving parts. Designed for exposed applications, this simple thumb operated joystick provides an additional 2 axes of proportional control within a control grip faceplate. Each micro joystick is calibrated and tested before final packaging, resulting in consistent reliable control. The micro joystick is made from wear resistant plastic polymer providing a consistent smooth operating feel while optimizing the service life of the part. Compact mounting is achieved by threading a nut directly to the body of the micro joystick.



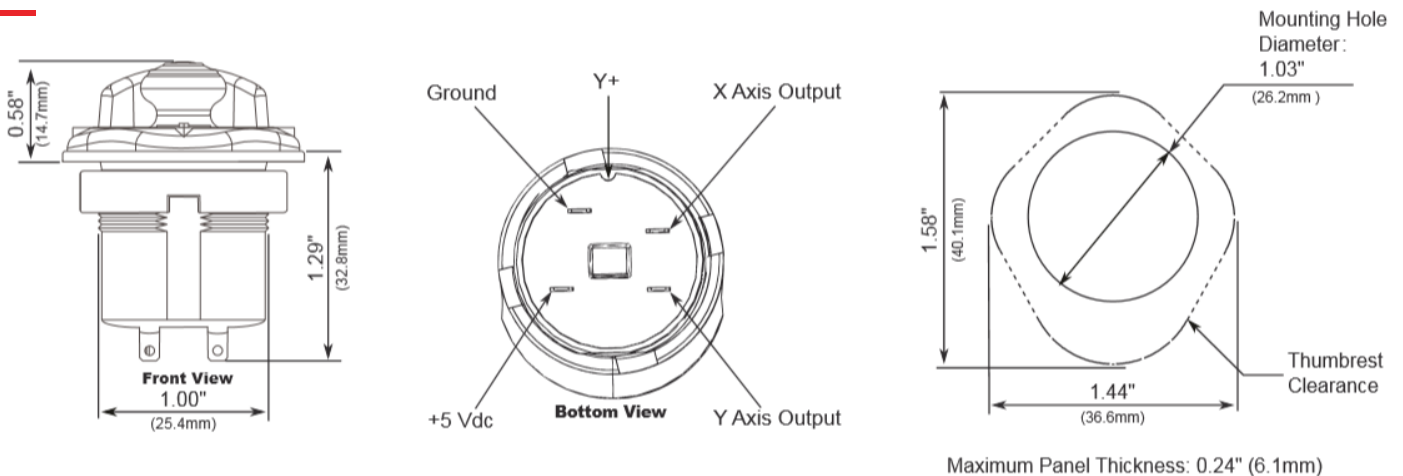
Features:

- Sealing up to IP67
- Available with thumbrest
- Simple mounting system
- Operation: Dual Axis, Spring Return to Center
- Input Voltage: 5 VDC @ 30mA
- Output: 0.5 - 2.5 - 4.5 VDC (+/-0.2)
- Range of motion +/- 19° (on axis)
- Operating temperature: -40°C to +85°C
- Long life - tested to 5 million cycle operations
- Can be ordered individually or installed into Sure Grip handles

Micro Joystick Travel Output VDC



Dimensions



MJS2-P2-A Spring return to center

Specifications are subject to change without notice

Electrical Specifications

Input Power Supply	Min	Typ	Max	Units
Supply Voltage (Regulated)	4.9	5.0	5.1	Vdc
Supply Current	-	-	12	mA
Control Output	Min	Typ	Max	Units
Output Voltage Low	0.45	0.5	0.7	Vdc
Output Voltage Center	2.3	2.5	2.7	mA
Output Voltage High	4.3	4.5	4.55	Vdc

Mechanical Specifications

Travel	+/- 19° (on Axis)
Life Expectancy	>4 million cycles
Functions	Spring Return to Center

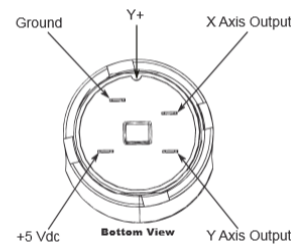
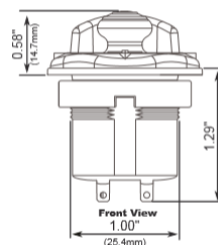
Environmental Specifications

Operating Temperature	- 40° to +85°C
Sealing	IP67

Ordering Guide

Order Instructions:

- Each box has a color and number, which corresponds to joystick options below. Please review each option, as this will help you with choosing your part number. (Refer to our technical guides for more information on product options)
- If you require a handle please look at handle ordering guides.
- If a desired joystick option is not available contact a sales representative to discuss if there are alternative solutions for your application.
- Enter your configured part number in the empty boxes provided below and contact a friendly Sure Grip sales representative to place your order.



Your configured part number: **Micro Joystick** - - - - -

1 2 3 4 5

Example: **Micro Joystick** - MJS2 - P - D - N - N

1. Version
MJS2 - Version 2
2. Operating Style
P - Proportional 2 Axis
3. Boot Orientation
S - Square (optional)
D - Diamond (optional)

4. Gate Options
N - None
5. Thumbrest Options
T - Thumb Rest