

JOYSTICKS

Scorpion offers several different models, styles and sizes of joysticks with both proportional and switched outputs. Our full sized models include the JS-01 (single axis Hall Effect proportional output), the JS-02 (dual axis Hall Effect proportional output), the JS-04 (single or dual axis switched output) and the JS-08 (single axis potentiometric proportional and switched output). We can mount our K, L, P, S or X grips on any of the full sized joysticks. Smaller joysticks include the JS-03 (triple axis Hall Effect proportional output), the JS-05 (single or dual axis switched output) and the JS-07 (single axis potentiometric proportional output). Specifications are given below, and full datasheets are available on our website. Many other joysticks are available on a special order basis, so please give us a call if you need something other than what you see here. www.controlgrips.com/Joysticks.php shows more details.



JS-03



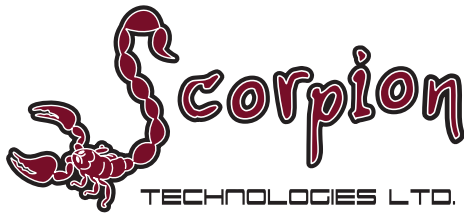
Specifications, Features, Benefits

JS-01, JS-02

Technology	Hall Effect proportional full sized
Operation	Single axis (JS-01) or dual axis (JS-02)
Dimensions	2.8 x 2.8 x 3.2 inches (L x W x H above panel)
Materials	Frame: aluminum. Pin: stainless steel
Supply voltage	5 VDC
Output	0.5 to 2.5 (center) to 4.5 VDC each axis Other output spans available
Deflection	+/- 18 degrees each axis
Operating life	> 10 million operations
Operating temperature	-20 to +75 degrees Celsius
Connector	Deutsch DTM or wire pigtail

JS-03

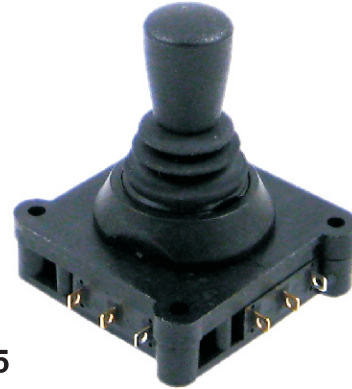
Technology	Hall Effect proportional miniature
Operation	Triple axis (single and dual axis also available)
Dimensions	2.0 x 2.0 x 1.1 inches (L x W x H above panel)
Materials	Nylon
Supply voltage	5 VDC
Output	0.5 to 2.5 (center) to 4.5 VDC each axis Other output spans available
Deflection	+/- 15 degrees each axis, +/- 30 degrees rotation
Operating life	> 1 million operations
Operating temperature	-20 to +60 degrees Celsius
Connector	6 inch pigtail



JS-04



JS-05



Specifications, Features, Benefits

JS-04

Technology	Mechanical switched single pole full sized
Operation	Single or dual axis
Dimensions	3.1 x 3.6 x 1.6 inches (L x W x H above panel)
Materials	Frame: nylon Pin: steel
Output	Switches rated 10A 24VDC/120VAC
Deflection	+/- 8 degrees each axis
Operating life	> 2 million operations
Operating temperature	-20 to +75 degrees Celsius
Connector	Wire harness

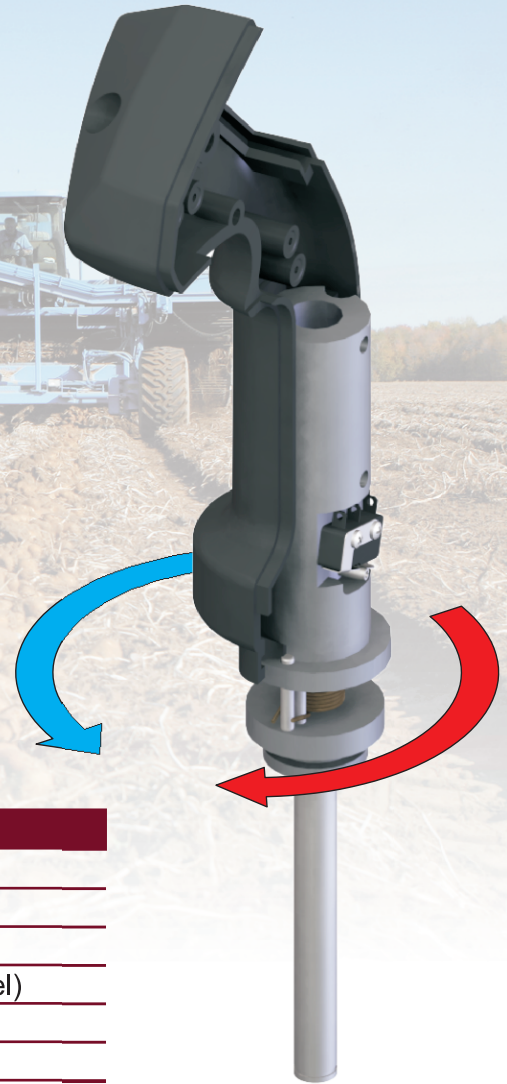
JS-05

Technology	Mechanical switched single/double pole miniature
Operation	Single or dual axis
Dimensions	1.7 x 1.7 x 1.6 inches (L x W x H above panel)
Materials	Frame: nylon Pin: steel
Output	Switches rated 6A 24VDC/120VAC
Deflection	+/- 12 degrees each axis
Operating life	> 5 million operations
Operating temperature	-20 to +60 degrees Celsius
Connector	Solder terminals

JS-07



JS-08



Twist function available on some joysticks

Specifications, Features, Benefits

JS-07

Technology	Resistive proportional/switched miniature
Operation	Single axis
Dimensions	1.8 x 1.3 x 2.8 inches (L x W x H above panel)
Materials	Nylon
Supply voltage	Up to 24VDC
Potentiometer	5000 Ohms
Output	10% to 50% (center) to 90% of supply voltage
	Low level switched directional outputs
Deflection	+/- 30 degrees
Operating life	> 5 million operations
Operating temperature	-20 to +77 degrees Celsius
Connector	FCI Dubox

JS-08

Technology	Resistive proportional/switched full sized
Operation	Single axis
Dimensions	2.2 x 3.5 x 3.1 inches (L x W x H above panel)
Materials	Frame: zinc Pin: steel
Supply voltage	Up to 24VDC
Potentiometer	10000 Ohms, others available
Output	0% to 50% (center) to 100% of supply voltage
	10 Amp switched directional outputs
Deflection	+/- 38 degrees each axis
Operating life	> 1 million operations
Operating temperature	-20 to +60 degrees Celsius
Connector	Terminal strip