

Electronic Switched Joystick

To add to our existing line of reliable non contact industrial controls, Sure Grip has developed an electronic switched joystick. The functionality of this joystick is identical to a physical contact switch solution with the exception that 2 versions exist, 1 for logic level applications and the other for high current direct to valve solutions. For those customers making the transition from a traditional contact type joystick an additional ground wire is the only installation change required.

The Electrical requirements of the S1L, S2L low current switched output joystick are as follows:

Parameter	Min.	Typ.	Max.	Unit
Power Supply:				
Supply voltage (Vin)	4.5	-	30	VDC
Supply current	20	-	30	mA
Output voltage in dead band	-	-	0.100	VDC
Continuous output current	2.25	-	12	mA
Reverse voltage protection	- 18	-	-	VDC
Output activation	12	-	14	Degree
Output release	8	-	10	Degree

The Electrical requirements of the S1H, S2H high current switched output joystick are as follows:

Parameter	Min.	Typ.	Max.	Unit
Power Supply:				
Supply voltage (Vin)	10	-	30	VDC
Supply current	20	-	5000	mA
Output voltage in dead band	-	-	0.100	VDC
Continuous output current ⁽¹⁾	-	-	2500	mA
Reverse voltage protection	- 30	-	-	VDC
Output activation	12	-	14	Degree
Output release	8	-	10	Degree

(1) Continuous output current per direction